A70PF
Service Manual

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WARNING

To prevent from fire or shock hazard,do not expose monitor to any rain or any form of water.High voltage is inside the monitor so please do not remove the back cover of the cabinet if you are not a qualified monitor engineer.Contact the local dealer or the nearest **AOpen** branch office if you need help.

A. IMPORTANT SAFETY INSTRUCTION

Prior to using this service manual,please ensure that you have carefully followed all the procedures outlined in the user's manual for this product.

1. Read all of these instructions.
2. Save these instructions.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning.Do not use liquid cleaner or aerosol cleaner, use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable cart,stand or table.The product may fall,causing serious damage to the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation,to ensure reliable operation of the product and to protect it from overheating.Those openings must not be blocked or covered.The openings should never be blocked by placing the product on a bed,sofa, rug, or other similar surface.This product should not be placed in a built-in installation,since proper ventilation is provided.
8. This products should be operated with the type of power source indicated on the marked label. If you are not sure of the type of power is available, consult with your dealer or local power company.
9. This product is equipped with a 3-wire grounding type plug,a plug having a third (grounding) pin.This plug will only fit into a grounding-type power outlet.This is a safety feature.If you are unable to insert the plug into the outlet,contact your electrician to replace your obsolete outlet.Do not damage the purpose of the grounding-type plug.
10. Do not allow anything to rest on the power cord.Do not locate this product where persons will walk on the cord.
11. Never push any kinds of objects into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.Never spill any kinds of liquid on the product.
12. Do not attempt to service this product yourself,as opening or removing covers may expose you to dangerous voltage points or other risk.Refer all servicing to service personnel.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
   a. When the power cord or plug is damaged or frayed.
   b. If liquid has been spilled into the product.
   c. If the product has been exposed to rain or water.
   d. If the product does not operate normally,when the operating instructions are followed.Adjust only those controls involved in the operating instructions ,since improper adjustment of other controls may result in damage and will often require extra work by a qualified technician to restore the product to normal operation.
   e. If the product has been dropped or the cabinet has been damaged.
   f. If the product exhibits a distinct change in performance,indicating a need for service.

B.SPECIFICATIONS

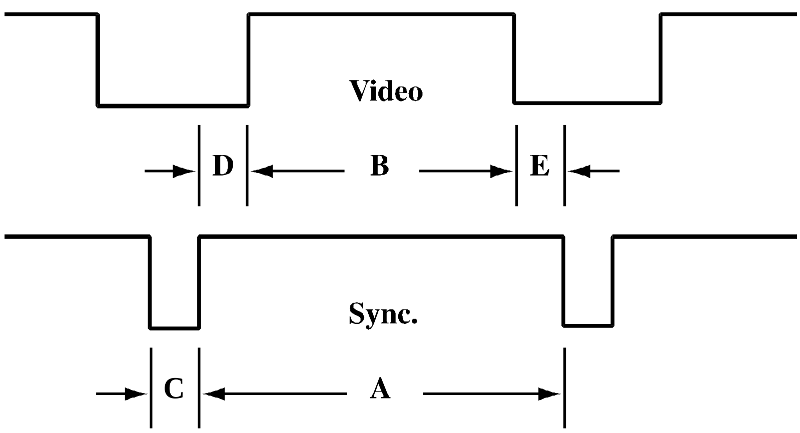
1.	Screen	17” F&S 0.25mm,Antistatic coating
2.	Visible Image Area	16.02 inch
3.	Active Display Area	306mm (H) × 230mm (V)
4.	Synchronization Range	
	Horizontal	30 – 72 KHz
	Vertical	50 – 160 Hz
5.	Power Source	100 – 240 Vac , 60/50 Hz
6.	Power Consumption	75W (max.)
7.	Input Signal	
	Video	Analog R.G.B. , 0.7Vp-p / 75 Ohm
	Sync.	TTL level,positive or negative polarity
8.	Connection Type	15 Pin D Type
9.	Resolution	1280 × 1024 pixels
10.	Color Temperature	9300ºK / 6500ºK
11.	Dimension (W×H×D)	406 × 417 × 433 (mm)
12.	Monitor Weight	15.8Kg
13.	Base Operation	
	Tilt	- 5º / + 15º
	Swivel	- 45º / + 45º
14.	Power Saving	
	ON	＜ 75W
	OFF	＜ 5W

15. Signal Connector Pin Assignment

Pin No.

1. Red	6. Red Ground	11. Ground
2. Green	7. Green Ground	12. SDA
3. Blue	8. Blue Ground	13. Horizontal Sync.
4. Ground	9. Not Connected	14. Vertical Sync.
5. Self Test	10. Sync. Ground	15. SCL

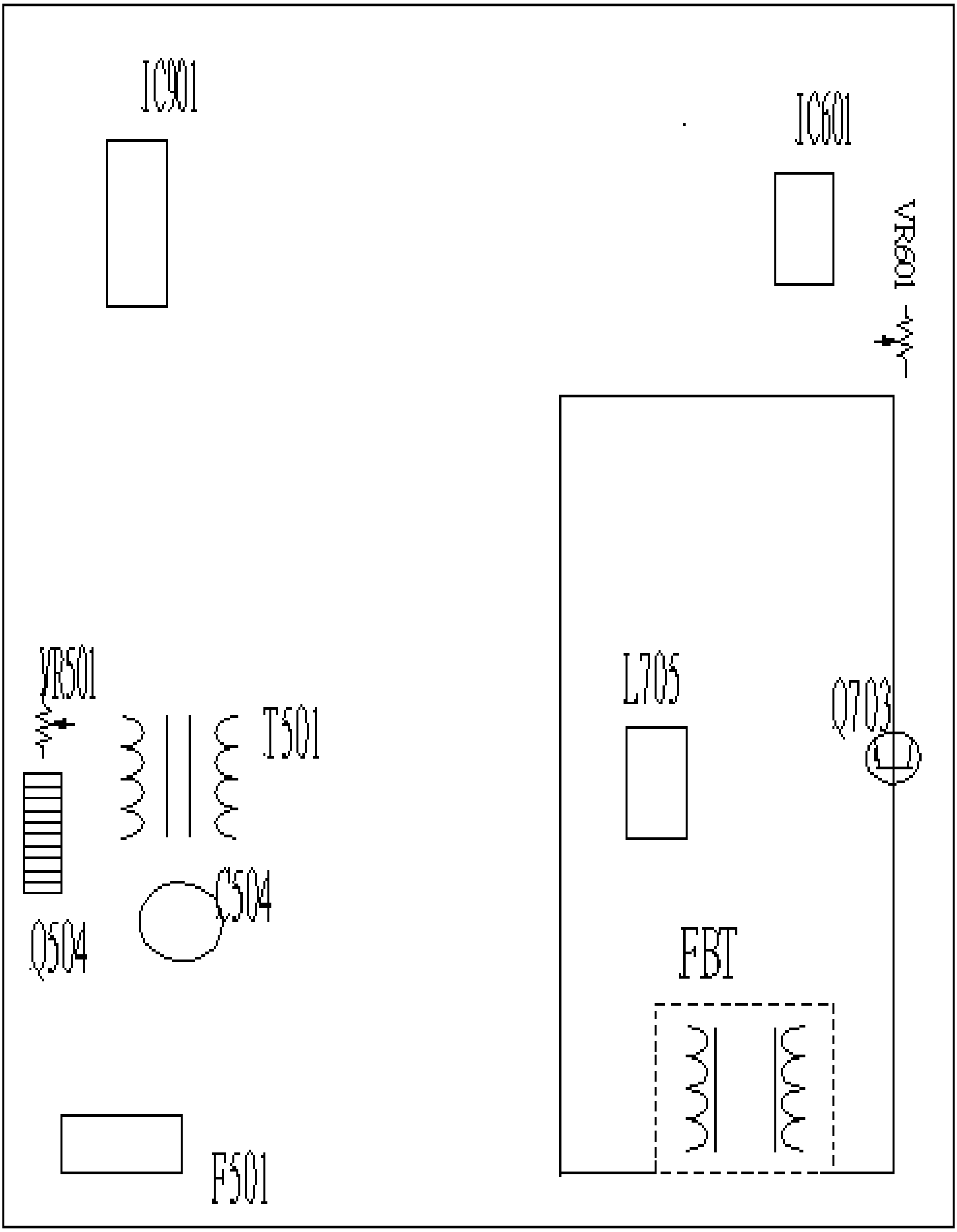
C.TIMING CHART



A : Period
B : Active
C : Sync. Width
D : Back Porch
E : Front Porch

Preset Modes	VGA 640 × 480	VGA 720 × 400	VESA 640 × 480	VESA 640 × 480	VESA 800 × 600	VESA 800 × 600	VESA 1024 × 768	SIEMENS 800 × 600	VESA 1280 × 1024	VESA 1024 × 768
Dot Rate (MHz)	25.175	28.322	31.50	36.000	49.50	56.25	78.750	67.5	108.00	94.5
F.H (KHz)	31.469	31.469	37.500	43.269	46.87	53.674	60.023	63.92	63.98	68.677
A-period (uS)	31.778	31.778	26.667	23.111	21.333	18.631	16.660	15.644	15.630	14.561
B-Active (uS)	25.422	25.422	20.317	17.778	16.162	14.222	13.003	11.852	11.852	10.836
C-Sync (uS)	3.813	3.813	2.032	1.556	1.616	1.138	1.219	0.948	1.037	1.016
D-Back Porch	1.907	1.907	3.810	2.222	3.232	2.702	2.235	2.370	2.296	2.201
E-Front Porch	0.318	0.318	0.508	1.556	0.323	0.569	0.203	0.474	0.444	0.508
F . V (Hz)	59.941	70.087	75.000	85.0	75.000	85.061	75.029	100.0	60.020	84.997
A-Period (Ms)	16.683	14.268	13.333	11.764	13.333	11.756	13.328	9.997	16.661	11.765
B-Active (mS)	15.253	12.711	12.800	11.093	12.800	11.179	12.795	9.387	16.005	11.183
C-Sync (mS)	0.064	0.064	0.080	0.069	0.064	0.056	0.050	0.047	0.047	0.044
D-Back Porch	1.049	1.112	0.427	0.578	0.448	0.503	0.466	0.548	0.594	0.524
E-Front Porch	0.254	0.222	0.026	0.023	0.021	0.019	0.017	0.016	0.061	0.015
H/V SYNC	−. −	− . +	−. −	+ . +	+ . +	+ . +	+ . +	+ . +	+ . +	+ . +
Interlaced	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON

D.ADJUSTMENT CONTROL LOCATION



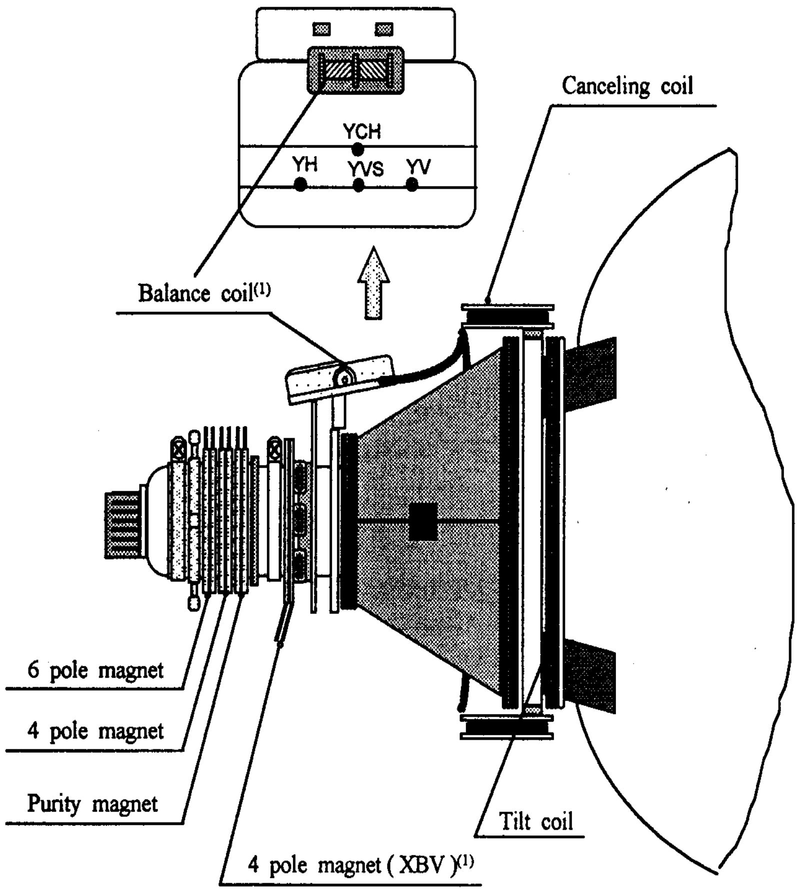
E. ADJUSTMENT PROCEDURE

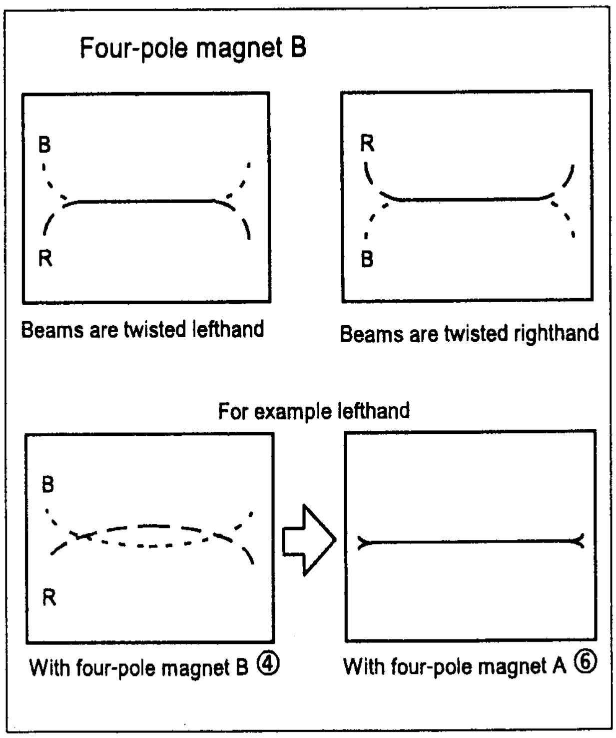
ITEM Program Menu.		# **Test Meter** * **Test Point** @ **Pattern**	**Operation**	**Adjusting Value**
A	**B+ Adjust**	# Digital Voltmeter * D510 Negative @ Crosshatch Pattern (31.5KHz,640x480)	**1.** Make the adjustment to the value shown at right by turning the **VR501** on the main PCB.	15.5V ±0.2V
B	**High Voltage Adjust**	# Digital Voltmeter # High Voltage Probe * Anode Cap-GND @ Crosshatch Pattern (31.5KHz,640x480)	**1.** Turn the power switch of the monitor **OFF**. **2.** Connect high voltage probe to Anode Cap and GND. **3.** Turn the power switch of the monitor **ON**. (15 minutes) **4.** Make the adjustment to the value shown at right by turning the **VR601** on the main PCB.	25.5KV ±0.1KV
C	**Preset Adjust**	@ Crosshatch (31.5KHz,640x480)	**1.** Uplug the power cord of the monitor. **2.** Hold □ key,then plug the power cord of the monitor. **3.** Hold □ key,make sure into preset picture,if not ,please return 1-2. **4.** Please following the procedure of selection and adjusting an item using the OSD system as below steps for main function adjusent. **Step 1 :** Press and relese the OSD control knob to activate the OSD menu. **Step 2 :** Press ◀ or ▶ key to highlight the desired option of OSD icon. **Step 3 :** Press and release □ key to acress the option.The color of the inner area of the OSD will changed from blue to green. **Step 4 :** To make your adjustment,press ◀ or ▶ key to decrease the setting. **Step 5 :** Press and release □ key to store the change.the color of the inner area will go back to blue.You can select select other function to make adjustment by ◀ or ▶ key. Also you can select exit icon or press □ key to exit the OSD menu.	**Contrast :** MAX. **Brightness** MAX. **H-Size :** 306mm **V-Size :** 230mm **H-Posi. :** Center **V-Posi :** Center **Other adj. :** Best Point

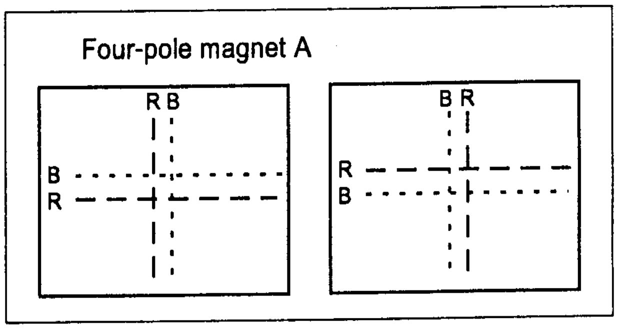
ITEM / Program Menu.		# Test Meter * Test Point @ Pattern	Operation	Adjusting Value
D	**Background White Balance Adjust**	# Color Analyzer @ R.G.B off (68KHz,1024x768)	**1.** Set the contrast to MAX.,Brightness to Y=0.7 set color is 9300°K using the OSD. **2.** Set the OSD to COLOR of sub menu and press knob. **3.** Make the adjustment R.G.B BIAS low light to the value shown at right by using ◀ and ▶ key.	Y = 0.4 ±0.1FL x = 0.283 ±0.015 y = 0.297 ±0.015
E	**White Balance Adjust**	# Color Analyzer # Oscilloscope * Cathode G @ 3" block (68KHz,1024x768)	**1.** Move the OSD to the R.G.B. DRIVE. **2.** Move the OSD to the G DRIVE and make the adjustment to the value shown at right by using ◀ and ▶ key. **3.** Move the OSD to the R,B-DRIVE and make the Adjustment to the value shown at right by using ◀ and ▶ key.	37VP-P Y=58FL x = 0.283 ±0.015 y = 0.297 ±0.015
F	**ABL Adjust**	# Color Analyzer @ Full White (68KHz,1024x768)	**1.** Set the contrast to MAX.,Brightness to MAX. **2.** Make the adjustment to the value shown at right by adjustment **ABL** on the OSD menu.	Y = 33FL ±3
G	**Other Function Seting**	@ Full White (85Hz 1024*768)	**1.** Set the **FREQ.** to 73 **2.** Set the **OSD** to PROVIEW **3.** Set the **BURN** to Disable **4.** Set the **DEFO** to TDA9116/9118	

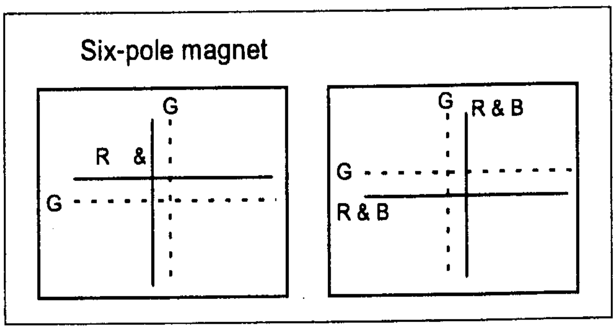
ITEM / Program Menu.		# Test Meter * Test Point @ Pattern	Operation	Adjusting Value
H	**Dynamic Focus Adjust**	# Oscilloscope * FBT Pin14 @ Full White (31.5KHz,640x480)	**1.** Set the contrast to MAX.,and adjustment Brightness to the raster just appear. **2.** Make the adjustment to the value shown at right by adjust the **VF** on the OSD menu. **3.** Make the check to the value shown at right by adjust the **HF** on the OSD menu.	**VF :** 150(17”) ±10VP-P **HF :** 350(17”) ±10VP-P
I	**Purity Adjust**	@ Magenta color (31.5KHz,640x480)	**1.** Adjust the purity magnet is in magneta color. **2.** Turning two overlapping pawels in opposite directions. **3.** Move them until they are at the same angle, 9 o’clock and 3 o’clock respectively.	
J	**Static Convergence Adjust**	@ Magenta color (31.5KHz,640x480)	**1.** Open the two pawels of the 4 pole magnets to allow the red and blue vertical lines to unite. **2.** Open and rotate the two pawels at a contrast angle so that the red and blue horizontal lines can unite. **3.** If the vertical lines deviates,open the two powals at the deviation position and make a monitor adjustment by changing its angle. **4.** Display white crosshatch pattern. **5.** Make the red and blue vertical lines at the center unite with the green by opening the two 6 pole pawels. **6.** Rotate the two pawels at contrast angle so that the red and blue horizontal lines can unite with the green. **7.** If the vertical lines deviate,change the angle of Pawels from the deviation position.	

ADJUSTMENT CONTROL LOCATION

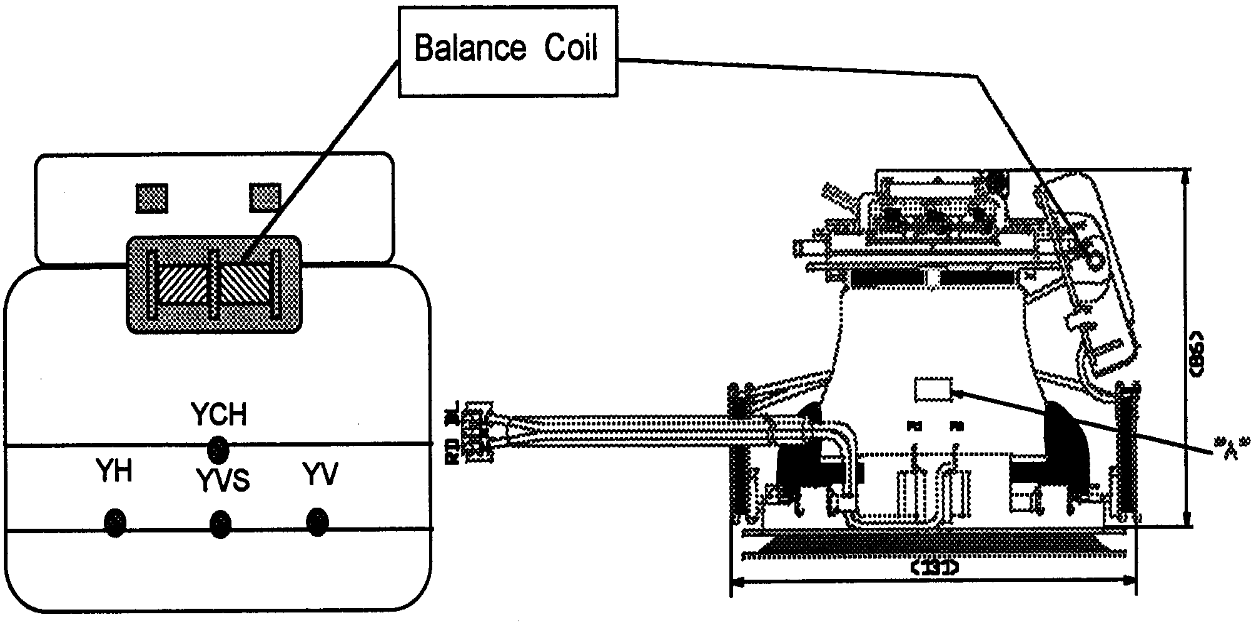


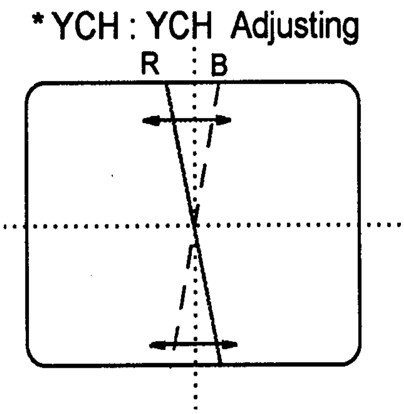


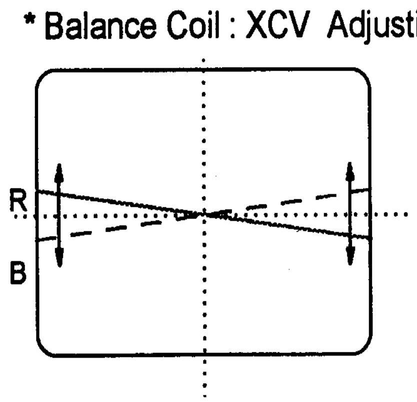


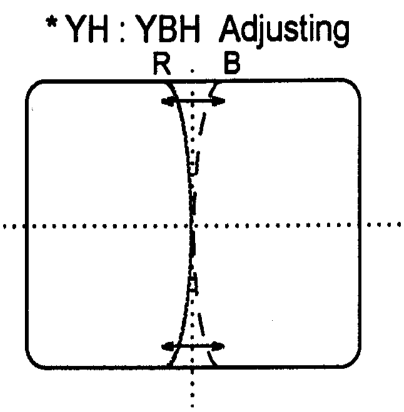


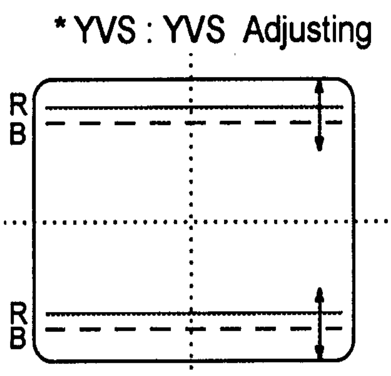
Convergence Adjusting Method

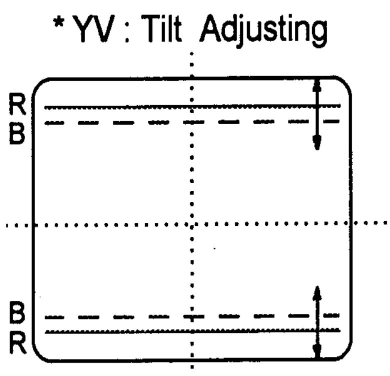




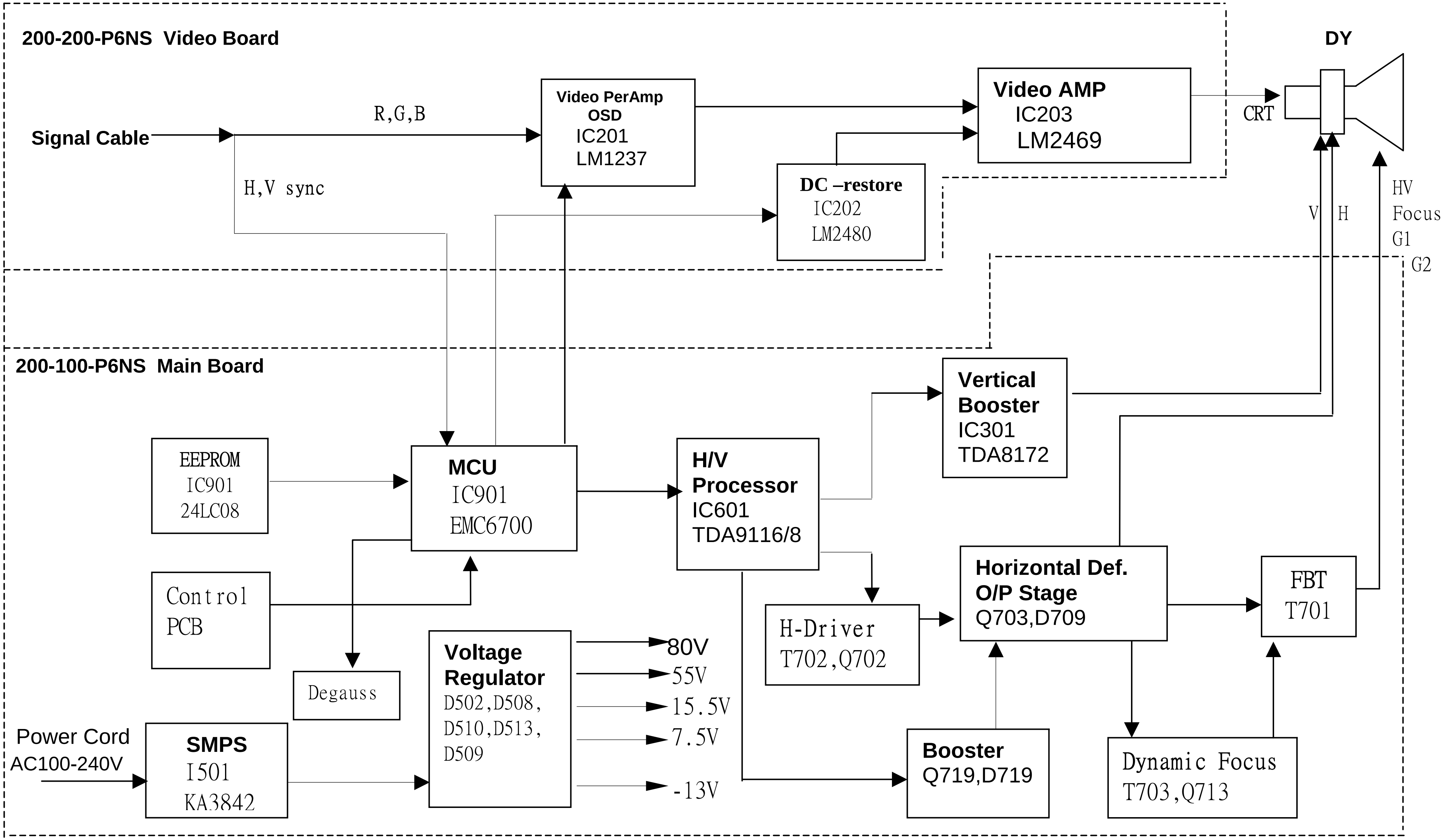








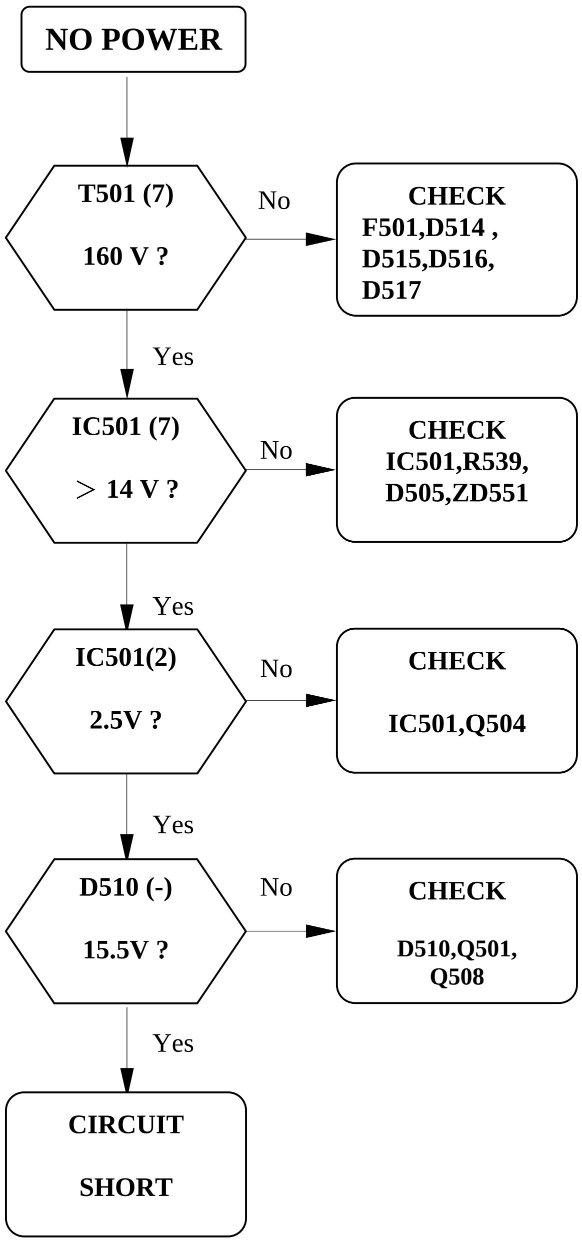
F.BLOCK DIAGRAM

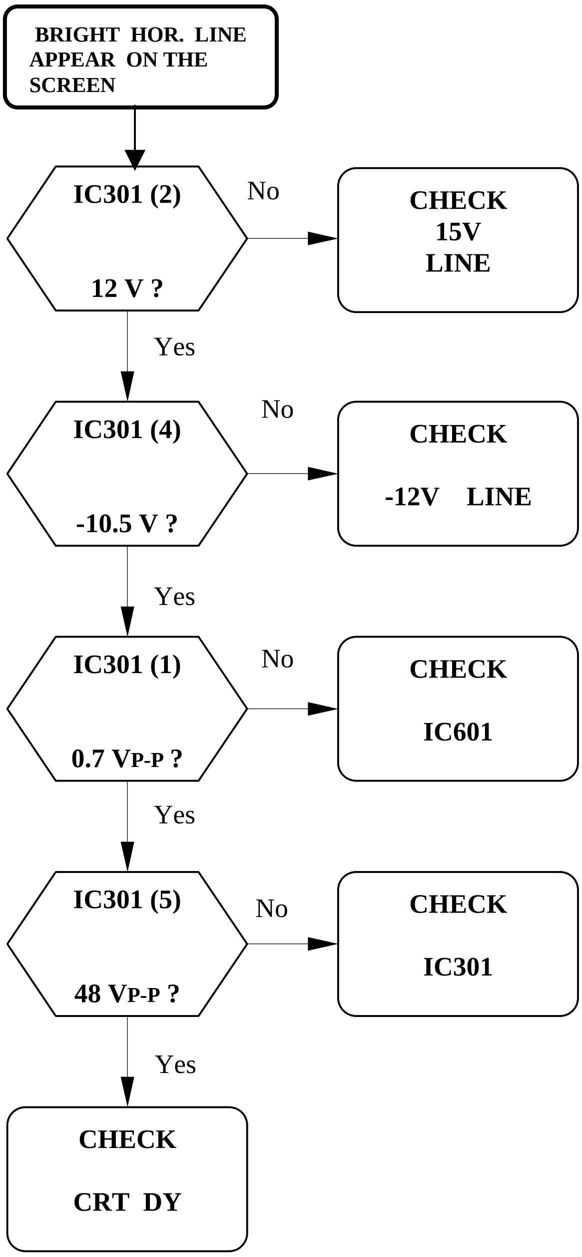


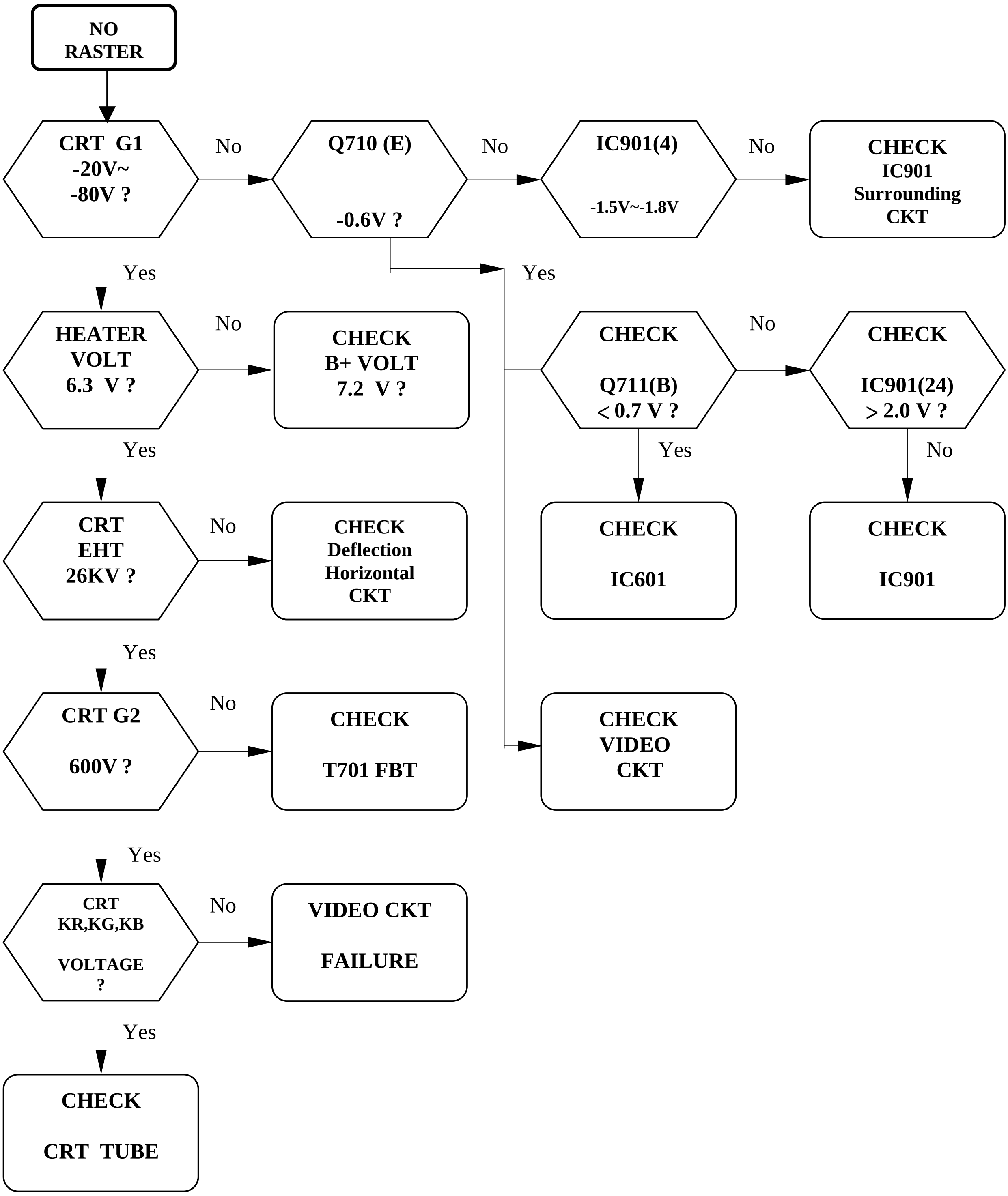
G. TROUBLE SHOOTING HINTS

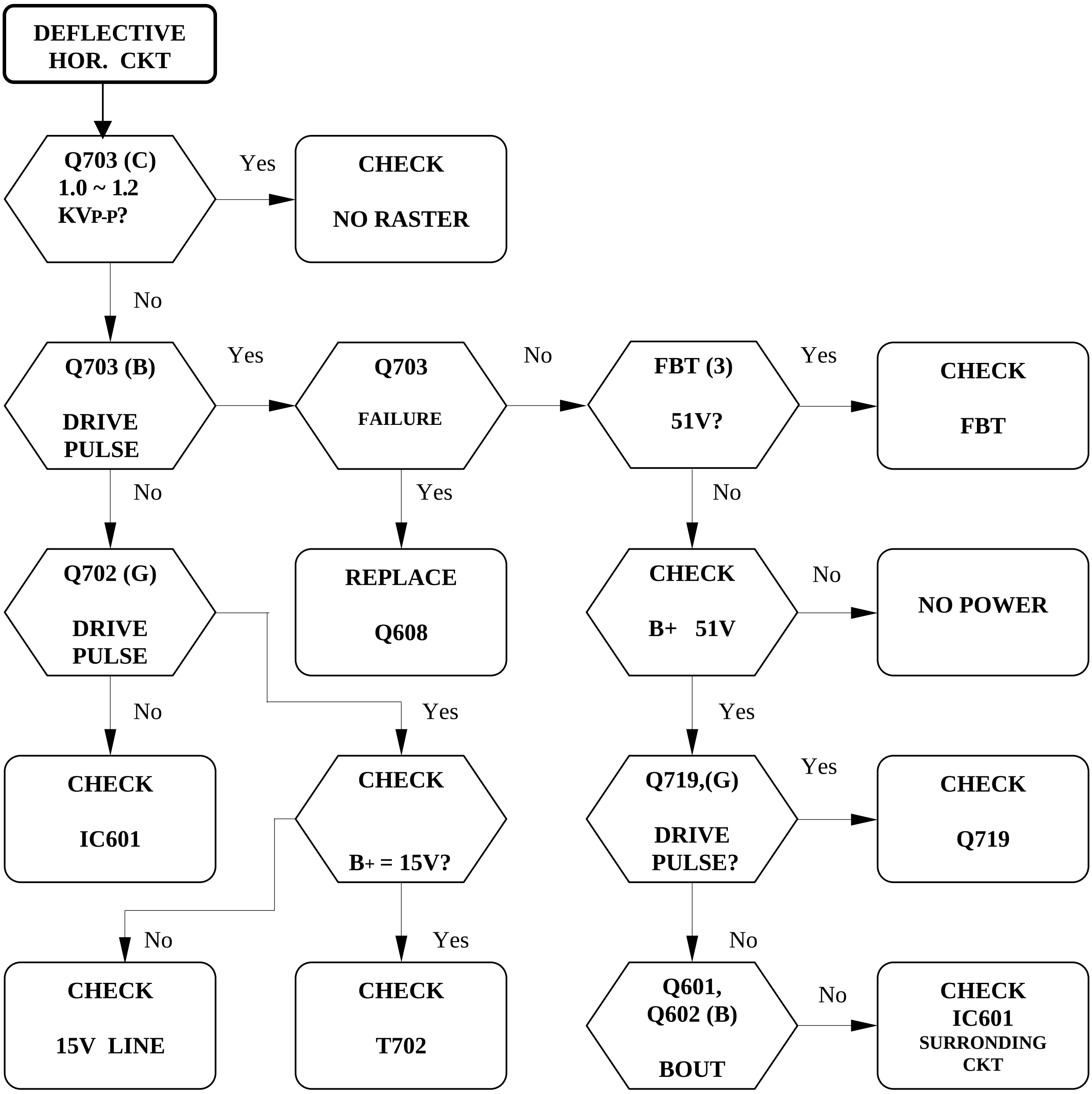
T501(7) VOLTAGE

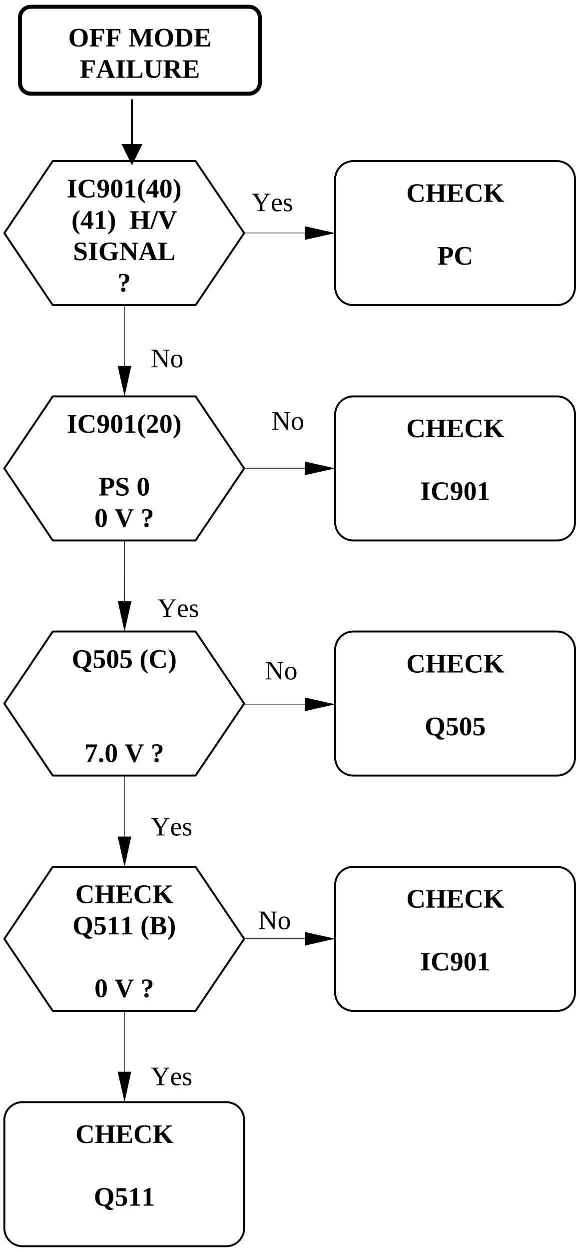
AC120V IN	160V
AC220V IN	294V
AC230V IN	308V




BRIGHT HOR. LINE APPEAR ON THE SCREEN
IC301 (2)
12 V ?
No
CHECK 15V LINE
Yes
IC301 (4)
-10.5 V ?
No
CHECK
-12V LINE
Yes
IC301 (1)
0.7 VP-P ?
No
CHECK
IC601
Yes
IC301 (5)
48 VP-P ?
No
CHECK
IC301
Yes
CHECK
CRT DY


NO RASTER
CRT G1 -20V~ -80V ?
No
Q710 (E) -0.6V ?
No
IC901(4) -1.5V~-1.8V
No
CHECK IC901 Surrounding CKT
Yes
Yes
HEATER VOLT 6.3 V ?
No
CHECK B+ VOLT 7.2 V ?
CHECK Q711(B) < 0.7 V ?
No
CHECK IC901(24) > 2.0 V ?
Yes
Yes
No
CRT EHT 26KV ?
No
CHECK Deflection Horizontal CKT
CHECK IC601
CHECK IC901
Yes
CRT G2 600V ?
No
CHECK T701 FBT
CHECK VIDEO CKT
Yes
CRT KR,KG,KB VOLTAGE ?
No
VIDEO CKT FAILURE
Yes
CHECK CRT TUBE


DEFLECTIVE HOR. CKT
Q703 (C) 1.0 ~ 1.2 KVP-P?
Yes
CHECK NO RASTER
No
Q703 (B) DRIVE PULSE
Yes
Q703 FAILURE
No
FBT (3) 51V?
Yes
CHECK FBT
No
Yes
No
Q702 (G) DRIVE PULSE
REPLACE Q608
CHECK B+ 51V
No
NO POWER
No
Yes
Yes
CHECK IC601
CHECK B+ = 15V?
Q719,(G) DRIVE PULSE?
Yes
CHECK Q719
No
Yes
No
CHECK 15V LINE
CHECK T702
Q601, Q602 (B) BOUT
No
CHECK IC601 SURRONDING CKT

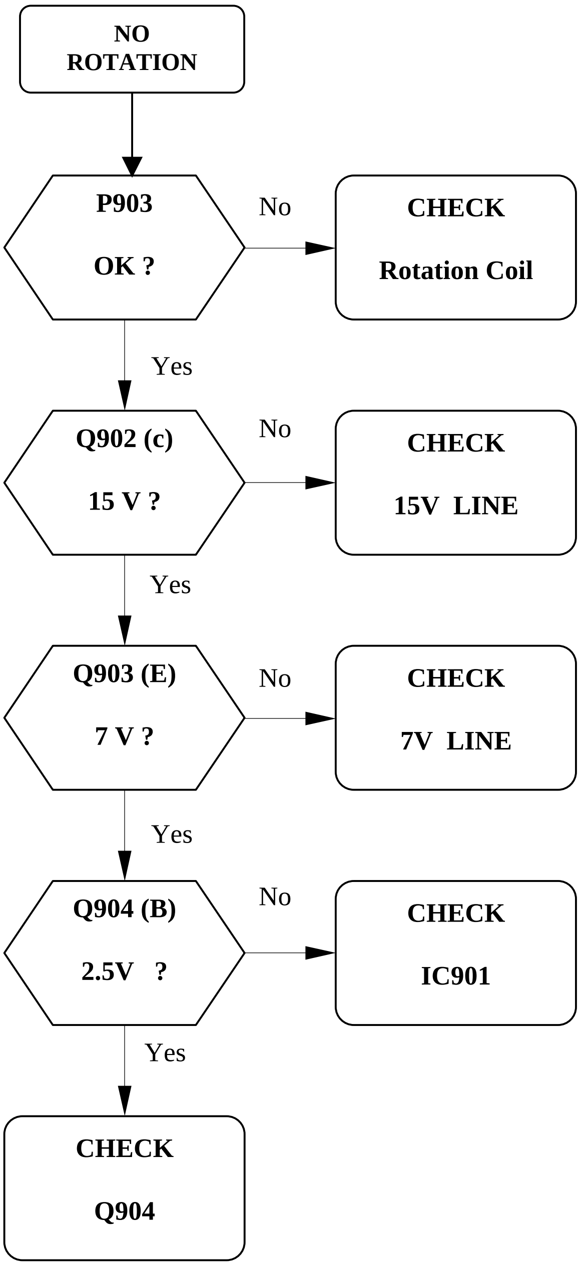


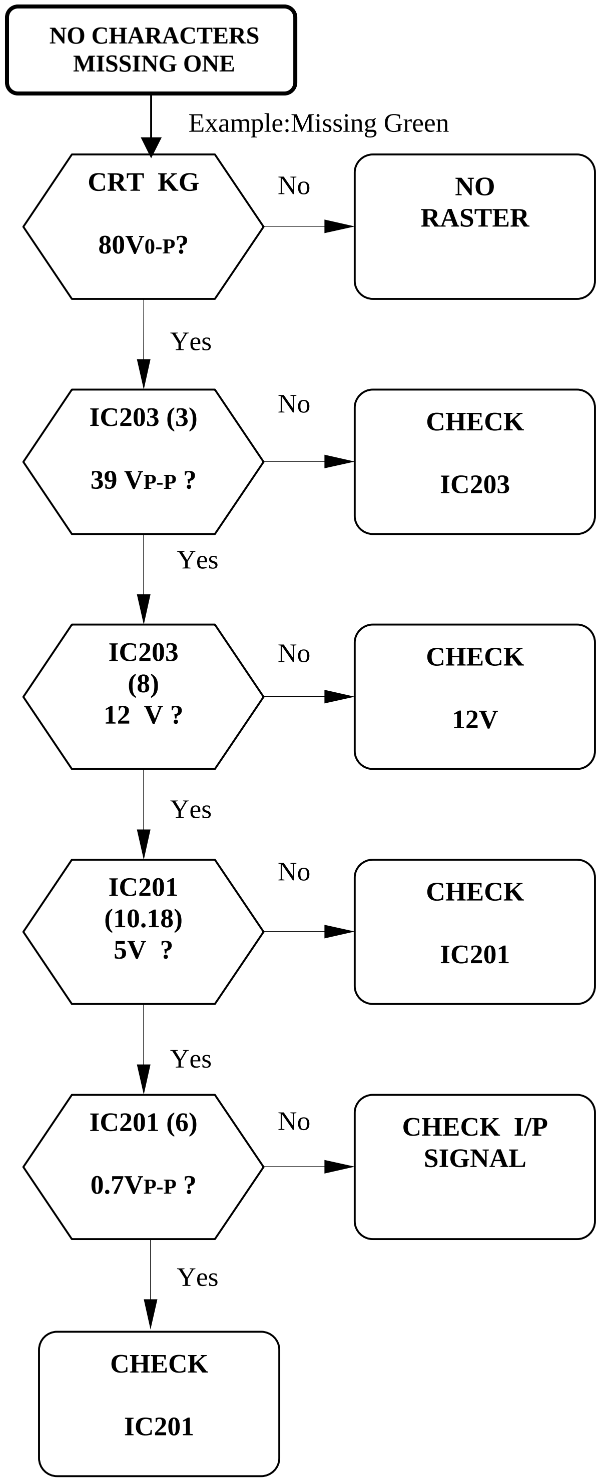
VESA STANDARD DPMS

ITEM / MODE	H/V Sync.	VIDEO	LED
NORMAL	ON/ON	NORMAL	GREEN
STAND BY	OFF/ON	OFF	ORANGE
OFF	OFF/OFF	OFF	ORANGE

IC901 PIN40,PIN41 SIGNAL.

	PIN40	PIN41
NORMAL	H	H
STAND BY	H	L
OFF	L	L


NO ROTATION
P903
OK ?
No
CHECK
Rotation Coil
Yes
Q902 (c)
15 V ?
No
CHECK
15V LINE
Yes
Q903 (E)
7 V ?
No
CHECK
7V LINE
Yes
Q904 (B)
2.5V ?
No
CHECK
IC901
Yes
CHECK
Q904


NO CHARACTERS
MISSING ONE
Example:Missing Green
CRT KG
80V0-P?
No
NO
RASTER
Yes
IC203 (3)
39 VP-P ?
No
CHECK
IC203
Yes
IC203
(8)
12 V ?
No
CHECK
12V
Yes
IC201
(10.18)
5V ?
No
CHECK
IC201
Yes
IC201 (6)
0.7VP-P ?
No
CHECK I/P
SIGNAL
Yes
CHECK
IC201

H. Bill of Material

No.	Parts Number	Parts Description	Unit	Q'ty	Location
1	002-L16-AOPEN	USER MANUAL	EA	1	
2	005-009-AOPEN-C	CARTON	EA	1	
3	200-100-P6NS	MAIN/B REV:B+++ Brite Plu	EA	1	PCB,
4	200-200-P6NS	CRT/B REV:B+ Brite Plus	EA	1	
5	200-700-RXP6	CONTROL PCB REV:B+	EA	1	
6	210-100-0256	R-CF. 10 ohm 1/2W +-5%.	EA	1	R631,
7	210-100-0256	R-CF. 10 ohm 1/2W +-5%.	EA	1	R734,
8	210-100-0456	R-CF. 10 ohm 1/4W +-5%.	EA	1	R762,
9	210-101-0456	R-CF. 100 ohm 1/4W +-5%.	EA	10	R612,R611,R918,R926,R927,R976,R977,R912, R663,R7B1,
10	210-101-0856	R-CF. 100 ohm 1/8W +-5%.	EA	6	R205,R235,R265,R281,R284,R285,
11	210-101-0856	R-CF. 100 ohm 1/8W +-5%.	EA	11	R664,R942,R943,R953,R982,R984,R985, R918A,R782,R711A,R952,
12	210-101-0856	R-CF. 100 ohm 1/8W +-5%.	EA	1	R516,
13	210-102-0256	R-CF. 1K ohm 1/2W +-5%.	EA	2	R735,R736,
14	210-102-0456	R-CF. 1K ohm 1/4W +-5%.	EA	4	R754,R7A8,R525,R740,
15	210-102-0856	R-CF. 1K ohm 1/8W +-5%.	EA	3	R240,R270,R210,
16	210-102-0856	R-CF. 1K ohm 1/8W +-5%.	EA	6	R533,R626,R974,R993,R546,R793,
17	210-102-0856	R-CF. 1K ohm 1/8W +-5%.	EA	1	R755,
18	210-103-0456	R-CF. 10K ohm 1/4W +-5%.	EA	4	R529,R536,R983,R610,
19	210-103-0856	R-CF. 10K ohm 1/8W +-5%.	EA	2	R291,R288,
20	210-103-0856	R-CF. 10K ohm 1/8W +-5%.	EA	8	R651,R931,R615,R590,R730,R510,R630,R930,
21	210-103-0856	R-CF. 10K ohm 1/8W +-5%.	EA	3	R606,R724,R741,
22	210-104-0256	R-CF. 100K ohm 1/2W +-5%.	EA	1	R2A3,
23	210-104-0256	R-CF. 100K ohm 1/2W +-5%.	EA	1	R770,
24	210-104-0456	R-CF. 100K ohm 1/4W +-5%.	EA	2	R731,R508,
25	210-104-0456	R-CF. 100K ohm 1/4W +-5%.	EA	1	R725,
26	210-104-0856	R-CF. 100K ohm 1/8W +-5%.	EA	1	R767,
27	210-105-0456	R-CF. 1M ohm 1/4W +-5%.	EA	1	R757,
28	210-112-0856	R-CF. 1.1K ohm 1/8W +-5%.	EA	1	R745,
29	210-114-0256	R-CF. 110K ohm 1/2W +-5%.	EA	1	R737,
30	210-123-0456	R-CF. 12K ohm 1/4W +-5%.	EA	1	R303,
31	210-123-0856	R-CF. 12K ohm 1/8W +-5%.	EA	1	R666,
32	210-124-0856	R-CF. 120K ohm 1/8W +-5%.	EA	1	R515,
33	210-133-0856	R-CF. 13K ohm 1/8W +-5%.	EA	1	R710,
34	210-153-0456	R-CF. 15K ohm 1/4W +-5%.	EA	1	R602,
35	210-153-0856	R-CF. 15K ohm 1/8W +-5%.	EA	1	R608,
36	210-154-0856	R-CF. 150K ohm 1/8W +-5%.	EA	1	R589,
37	210-182-0856	R-CF. 1.8K ohm 1/8W +-5%.	EA	1	R991,
38	210-182-0856	R-CF. 1.8K ohm 1/8W +-5%.	EA	1	R614,
39	210-200-0456	R-CF. 20 ohm 1/4W +-5%.	EA	1	R973,
40	210-202-0856	R-CF. 2K ohm 1/8W +-5%.	EA	1	R305,
41	210-203-0456	R-CF. 20K ohm 1/4W +-5%.	EA	1	R914,
42	210-203-0856	R-CF. 20K ohm 1/8W +-5%.	EA	2	R545,R621,

43	210-203-0856	R-CF. 20K ohm 1/8W +-5%.	EA	1	R629,
44	210-221-0456	R-CF. 220 ohm 1/4W +-5%.	EA	1	R534,
45	210-221-0856	R-CF. 220 ohm 1/8W +-5%.	EA	2	R910,R911,
46	210-222-0856	R-CF. 2.2K ohm 1/8W +-5%.	EA	1	R947,
47	210-223-0856	R-CF. 22K ohm 1/8W +-5%.	EA	3	R535,R654,R728,
48	210-223-0856	R-CF. 22K ohm 1/8W +-5%.	EA	2	R723,R667,
49	210-242-0856	R-CF. 2.4K ohm 1/8W +-5%.	EA	1	R992,
50	210-270-0456	R-CF. 27 ohm 1/4W +-5%.	EA	1	R979,
51	210-271-0256	R-CF. 270 ohm 1/2W +-5%.	EA	1	R308,
52	210-271-0456	R-CF. 270 ohm 1/4W +-5%.	EA	2	R521,R713,
53	210-272-0456	R-CF. 2.7K ohm 1/4W +-5%.	EA	1	R761,
54	210-273-0856	R-CF 27K ohm 1/8W +-5%.	EA	1	R652,
55	210-2R2-0456	R-CF. 2.2 ohm 1/4W +-5%.	EA	1	R307,
56	210-302-0856	R-CF. 3K ohm 1/8W +-5%.	EA	2	R670,R7A1,
57	210-303-0456	R-CF. 30K ohm 1/4W +-5%.	EA	1	R514,
58	210-303-0856	R-CF. 30K ohm 1/8W +-5%.	EA	1	R797A,
59	210-331-0856	R-CF. 330 ohm 1/8W +-5%.	EA	1	R674,
60	210-332-0856	R-CF. 3.3K ohm 1/8W +-5%.	EA	2	R601,R665,
61	210-333-0456	R-CF. 33K ohm 1/4W +-5%.	EA	1	R603,
62	210-334-0256	R-CF. 330K ohm 1/2W +-5%.	EA	1	R7A7,
63	210-334-0456	R-CF. 330K ohm 1/4W +-5%.	EA	1	R733,
64	210-334-0856	R-CF. 330K ohm 1/8W +-5%.	EA	3	R237,R267,R207,
65	210-363-0456	R-CF. 36K ohm 1/4W +-5%.	EA	1	R544,
66	210-363-0856	R-CF. 36K ohm 1/8W +-5%.	EA	1	R604,
67	210-392-0856	R-CF. 3.9K ohm 1/8W +-5%.	EA	1	R994,
68	210-392-0856	R-CF. 3.9K ohm 1/8W +-5%.	EA	1	R765,
69	210-393-0856	R-CF. 39K ohm 1/8W +-5%.	EA	2	R7A3,R928,
70	210-432-0456	R-CF. 4.3K ohm 1/4W +-5%.	EA	1	R618,
71	210-433-0456	R-CF. 43K ohm 1/4W +-5%.	EA	1	R929,
72	210-470-0256	R-CF. 47 ohm 1/2W +-5%.	EA	1	R715,
73	210-470-0456	R-CF. 47 ohm 1/4W +-5%.	EA	1	R511,
74	210-470-0856	R-CF. 47 ohm 1/8W +-5%.	EA	6	R232,R262,L200,L230,L260,R202,
75	210-470-0856	R-CF. 47 ohm 1/8W +-5%.	EA	2	R551,R729,
76	210-470-0856	R-CF. 47 ohm 1/8W +-5%.	EA	1	R726,
77	210-471-0456	R-CF. 470 ohm 1/4W +-5%.	EA	1	R908,
78	210-471-0856	R-CF. 470 ohm 1/8W +-5%.	EA	1	R771,
79	210-472-0456	R-CF. 4.7K ohm 1/4W +-5%.	EA	3	R509,R532,R617,
80	210-472-0456	R-CF. 4.7K ohm 1/4W +-5%.	EA	2	R980,R901,
81	210-472-0856	R-CF. 4.7K ohm 1/8W +-5%.	EA	2	R283,R2A8,
82	210-472-0856	R-CF. 4.7K ohm 1/8W +-5%.	EA	8	R620,R653,R727,R975,R989,R994,R933,R934,
83	210-472-0856	R-CF. 4.7K ohm 1/8W +-5%.	EA	1	R718,
84	210-473-0456	R-CF. 47K ohm 1/4W +-5%.	EA	2	R619,R669,
85	210-473-0856	R-CF. 47K ohm 1/8W +-5%.	EA	6	R522,R932,R940,R941,R507,R622,
86	210-474-0256	R-CF. 470K ohm 1/2W +-5%.	EA	1	R501,
87	210-474-0856	R-CF. 470K ohm 1/8W +-5%.	EA	1	R7B4,
88	210-475-0856	R-CF 4.7M ohm 1/8W +-5%.	EA	1	R287,

89	210-510-0256	R-CF. 51 ohm 1/2W +-5%.	EA	4	R236,R266,R2A2,R206,
90	210-512-0456	R-CF. 5.1K ohm 1/4W +-5%.	EA	1	R903,
91	210-512-0856	R-CF. 5.1K ohm 1/8W +-5%.	EA	2	R739,R760,
92	210-513-0856	R-CF. 51K ohm 1/8W +-5%.	EA	1	R2A6,
93	210-513-0856	R-CF. 51K ohm 1/8W +-5%.	EA	1	R738A,
94	210-561-0856	R-CF. 560 ohm 1/8W +-5%.	EA	1	R920,
95	210-562-0456	R-CF. 5.6K ohm 1/4W +-5%.	EA	1	R334,
96	210-563-0456	R-CF. 56K ohm 1/4W +-5%.	EA	1	R668,
97	210-622-0856	R-CF. 6.2K ohm 1/8W +-5%.	EA	1	R993,
98	210-622-0856	R-CF. 6.2K ohm 1/8W +-5%.	EA	1	R292,
99	210-682-0856	R-CF. 6.8K ohm 1/8W +-5%.	EA	2	R746,R738,
100	210-683-0856	R-CF. 68K ohm 1/8W +-5%.	EA	1	R588,
101	210-683-0856	R-CF. 68K ohm 1/8W +-5%.	EA	1	R744,
102	210-6R8-0456	R-CF. 6.8 ohm 1/4W +-5%.	EA	1	R520,
103	210-750-0856	R-CF. 75 ohm 1/8W +-5%.	EA	3	R231,R261,R201,
104	210-752-0456	R-CF. 7.5K ohm 1/4W +-5%.	EA	1	R981,
105	210-822-0856	R-CF. 8.2K ohm 1/8W +-5%.	EA	2	R766,R309,
106	210-822-0856	R-CF. 8.2K ohm 1/8W +-5%.	EA	1	R768,
107	210-823-0856	R-CF. 82K ohm 1/8W +-5%.	EA	2	R616,R794,
108	210-823-0856	R-CF. 82K ohm 1/8W +-5%.	EA	1	R605,
109	210-912-0856	R-CF. 9.1K ohm 1/8W +-5%.	EA	1	R290,
110	210-9R1-0256	R-CF. 9.1 ohm 1/2W +-5%.	EA	1	R539,
111	213-102-2059	R-NF. 1K ohm 2W +-5%.	EA	1	R758,
112	213-1R0-1055	R-NF. 1 ohm 1W +-5%.	EA	1	R326,
113	213-1R0-1059	R-NF. 1 ohm 1W +-5%.	EA	1	R703A,
114	213-2R2-1059	R-NF. 2.2 ohm 1W +-5%.	EA	1	R2A1,
115	213-7R5-1059	R-NF. 7.5 ohm 1W +-5%.	EA	1	R2A4,
116	213-823-2059	R-NF. 82K ohm 2W +-5%	EA	2	R502,R504,
117	214-2R2-0259	R-FR. 2.2ohm 1/2W +-5%	EA	1	R732,
118	216-472-0457	R-PR 4.7KΩ 5P4R.	EA	1	RP901,
119	217-361-0001	VARISTOR V14K230-KC.	EA	1	D710,
120	218-8R0-0371	NTC 8ohm 3A +-20%.	EA	1	NTC501,
121	219-9R0-0171	PTC CASE TYPE 9 ohm 2PIN	EA	1	PTC501,
122	220-181-2059	R-MNF. 180 ohm 2W +-5%.	EA	1	R704,
123	220-2R2-1059	R-MNF. 2.2 ohm 1W +-5%.	EA	1	R777,
124	220-2R7-3059	R-MNF. 2.7 ohm 3W +-5%.	EA	1	R513,
125	220-470-2059	R-MNF. 47 ohm 2W +-5%.	EA	1	R711,
126	220-4R7-2055	R-MNF. 4.7 ohm 2W +-5%.	EA	1	R623,
127	220-561-1059	R-MNF. 560 ohm 1W +-5%.	EA	1	R528,
128	220-753-3059	R-MNF. 75K ohm 3W +-5%.	EA	1	R503,
129	220-R24-3059	R-MNF. 0.24 ohm/3W +-5%.	EA	1	R714,
130	220-R33-3059	R-MNF. 0.33ohm 3W +-5%.	EA	1	R759,
131	221-081-1052	R-PRE. 10.5K ohm 1/8W +-1%.	EA	1	R609,
132	221-081-2003	R-PRE. 200K ohm 1/8W +-1%.	EA	1	R751,
133	221-081-2400	R-PRE. 240 ohm 1/8W +-1%.	EA	1	R749,
134	221-081-2702	R-PRE. 27K ohm 1/8W +-1%.	EA	1	R747,
135	221-081-3002	R-PRE. 30K ohm 1/8W +-1%.	EA	1	R753,

136	221-081-3572	R-PRE. 35.7K ohm 1/8W +-1%.	EA	1	R302,
137	221-081-3903	R-PRE. 390K ohm 1/8W +-1%.	EA	1	R752,
138	221-081-5101	R-PRE. 5.1K ohm 1/8W +-1%.	EA	1	R748,
139	221-081-5621	R-PRE. 5.62K ohm 1/8W +-1%.	EA	1	R613,
140	221-081-5621	R-PRE. 5.62K ohm 1/8W +-1%.	EA	1	R333,
141	221-081-6190	R-PRE. 619 ohm 1/8W +-1%.	EA	1	R750,
142	231-202-0677	VR. 2KB ohm 6D Lying	EA	2	VR501,VR601,
143	232-R22-2059	R-WR. 0.22 ohm 2W +-5%.	EA	1	R526,
144	300-100-0120	EC. 10uF/100V +-20% 85C TP.	EA	3	C276,C278,C275,
145	300-100-0423	EC. 10uF/250V +-20% 105C.	EA	1	C722,
146	300-100-5020	EC. 10uF/50V +-20% 85C TP.	EA	2	C274,C270,
147	300-100-5020	EC. 10uF/50V +-20% 85C TP.	EA	2	C582,C907,
148	300-100-5020	EC. 10uF/50V +-20% 85C TP.	EA	1	C725,
149	300-101-1620	EC. 100uF/16V +-20% 85C TP.	EA	4	C505,C507,C527,C601,
150	300-101-2520	EC. 100uF/25V +-20% 85C TP.	EA	1	C523,
151	300-101-3525	EC. 100uF/35V +-20% 105C TP.	EA	2	C325,C703,
152	300-102-1623	EC. 1000uF/16V +-20% 105C.	EA	1	C525,
153	300-102-2523	EC. 1000uF/25V +-20% 105C.	EA	1	C530,
154	300-102-2523-Y	EC.1000uF/25V +-20% 105C.YEC	EA	1	C323,
155	300-151-0522	EC. 150uF/400V +-20% 85C.	EA	1	C504,
156	300-1R0-0120	EC. 1uF/100V +-20% 85C TP.	EA	3	C235,C265,C205,
157	300-1R0-5020	EC. 1uF/50V +-20% 85C TP.	EA	3	C750,C935,C948,
158	300-220-0222	EC. 22uF/160V +-20% 85C.	EA	1	C520,
159	300-220-1620	EC. 22uF/16V +-20% 85C TP.	EA	1	C623,
160	300-220-1620	EC. 22uF/16V +-20% 85C TP.	EA	1	C742,
161	300-221-0123	EC. 220uF/100V +-20% 105C.	EA	1	C521,
162	300-470-0123-SL	EC. 47uF/100V M 105C Low DF/LC	EA	1	C744,
163	300-470-1620	EC. 47uF/16V +-20% 85C TP.	EA	2	C2A4,C272,
164	300-470-1620	EC. 47uF/16V +-20% 85C TP.	EA	3	C607,C615,C922,
165	300-470-5020	EC. 47uF/50V +-20% 85C TP.	EA	1	C745,
166	300-471-2522	EC. 470uF/25V +-20% 85C.	EA	2	C501,C519,
167	300-471-2523	EC. 470uF/25V +-20% 105C.	EA	1	C305,
168	300-4R7-5020	EC. 4.7uF/50V +-20% 85C TP.	EA	5	C612,C715,C774,C613,C510,
169	300-4R7-5020	EC. 4.7uF/50V +-20% 85C TP.	EA	2	C773,C901,
170	300-680-3520	EC. 68uF/35V +-20% 85C TP.	EA	1	C545,
171	300-R22-0120	EC.0.22uF/100V +-20% 85C TP.	EA	3	C236,C266,C206,
172	305-103-0150	PEI.0.01UF/100V +-5% TP.	EA	1	C609,
173	307-101-1160	CC. 100pF/50V +-10% TP.	EA	3	C292,C284,C285,
174	307-101-1160	CC. 100pF/50V +-10% TP.	EA	6	C626,C629,C914,C915,C748,C749,
175	307-102-1160	CC. 1000pF/50V +-10% TP.	EA	1	C518,
176	307-102-1160	CC. 1000pF/50V +-10% TP.	EA	2	C618A,C771,
177	307-102-1160	CC. 1000pF/50V +-10% TP.	EA	1	C740A,
178	307-102-3160	CC. 1000pF/500V +-10%.	EA	1	C718,
179	307-102-3570	CC.1000pF/500V +-20% TP.	EA	1	C2A2,
180	307-103-1160	CC. 0.01uF/50V +-10% TP.	EA	1	C701,
181	307-103-3570	CC. 0.01uF/500V +-20% TP.	EA	3	C2A7,C280,C277,
182	307-103-3570	CC. 0.01uF/500V +-20% TP.	EA	4	C506,C746,C747,C528,

183	307-103-3570	CC. 0.01uF/500V +-20% TP.	EA	1	C714,
184	307-104-1770	CC. 0.1u/50V +-20% Y5V TP	EA	1	C279,
185	307-104-1770	CC. 0.1u/50V +-20% Y5V TP	EA	6	C616,C622,C724,C904,C908,C909,
186	307-104-1770	CC. 0.1u/50V +-20% Y5V TP	EA	2	C902A,C902B,
187	307-182-1160	CC. 1800pF/50V +-10% TP.	EA	1	C294,
188	307-182-3160	CC. 1800P/500V 10% DIP Y5P.	EA	1	C741,
189	307-221-1160	CC. 220pF/50V +-10% TP.	EA	2	C614,C753,
190	307-221-3160	CC. 220pF/500V +-10% TP.	EA	4	C551,C733,C552,C517,
191	307-222-1160	CC. HI-K Y5P 2200P/10% 50V TP	EA	3	C550,C705,C625,
192	307-222-1160	CC. HI-K Y5P 2200P/10% 50V TP	EA	1	C776,
193	307-222-3160	CC. 2200pF/500V +-10%.	EA	1	C726,
194	307-223-1960	CC. 0.022uF/50V Y5R TP.	EA	1	C618,
195	307-223-3572	CC. 0.022uF/500V +-20%.	EA	1	C515A,
196	307-331-1160	CC. 330pF/50V +-10% TP.	EA	2	C509,C752,
197	307-331-1160	CC. 330pF/50V +-10% TP.	EA	1	C751,
198	307-471-1160	CC. 470pF/50V +-10% TP.	EA	2	C911,C912,
199	307-471-3160	CC. 470pF/500V +-10% TP.	EA	2	C526,C728,
200	307-472-4570	CC. 4700pF/1KV +-20% TP.	EA	1	C2A3,
201	307-561-1160	CC. 560pF/50V +-10% TP.	EA	1	C583,
202	307-822-1160	CC. 8200pF/50V +-10%.	EA	1	C780,
203	308-101-6860	CC. 100pF/2KV +-10% TP.	EA	1	C792,
204	308-220-1850	CC TC.SL 22P/5% 50V TP.	EA	3	C231A,C261A,C201A,
205	308-270-1850	CC TC.SL 27P/5% 50V TP.	EA	1	C741A,
206	308-330-1150	CERAMIC NPO(CH)/T 33P/50V J.	EA	2	C918,C919,
207	309-392-1052	PHM.3900pF/1KV +-5%.	EA	1	C713,
208	309-472-1655	PPS.4700pF/1.6KV +-5%.	EA	1	C712,
209	310-224-0252	MPP 0.22uF/250V +-5%.	EA	1	C709,
210	310-304-0452	MPP. 0.3uF/400V +-5%.	EA	1	C717,
211	310-624-0252	CAP.MPS 0.62UF 250V F.	EA	1	C710,
212	315-224-2572	X-CAP. 0.22uF/250V AC.	EA	1	C524,
213	315-474-2572A	X-CAP. 0.47uF/280V AC.	EA	1	C508,
214	317-222-4072	Y-CAP. 2200pF/400V AC +-20%.	EA	2	C553,C555,
215	317-472-4072	Y-CAP. 4700pF/400V AC +-20%.	EA	4	C502,C503,C540,C541,
216	318-102-0650	MEM. 1000pF/63V +-5%.	EA	1	C619,
217	318-103-0650	MEM. 0.01uF/63V +-5%.	EA	1	C611,
218	318-104-0650	MEM. 0.1uF/63V +-5%.	EA	1	C608,
219	318-104-0650-B	MEF. CAP BOX 0.1uF/63V J.	EA	2	C721,C310,
220	318-104-2550-1	MEM. 0.1uF/250V +-5% TP	EA	2	C620,C790,
221	318-105-1052	MEM. 1uF/100V +-5%.	EA	1	C727,
222	318-154-0650-B	MEF CAP BOX 0.15uF/63V J.	EA	1	C605,
223	318-224-0650	MEM. 0.22uF/63V +-5%.	EA	1	C307,
224	318-225-2552-Y	MEM 250V 2.2uF High-Current	EA	1	C716,
225	318-272-0150-B	MEM. 2700pF/100V +-5% TP BOX Fala	EA	1	C793,
226	318-474-0650	MEM. 0.47uF/63V +-5% TP.	EA	2	C606,C704,
227	318-682-0650	MEM. 6800PF/63V +-5%.	EA	1	C309,
228	319-101-1060	CERAMIC-CAP 100pF/1KV.	EA	1	C719,

229	319-221-1060	CERAMIC-CAP 220pF/1KV.	EA	1	C522,
230	319-221-1060	CERAMIC-CAP 220pF/1KV.	EA	1	C720,
231	326-222-0120	PPL.2200pF/100V +-2% TP.	EA	1	C516,
232	326-821-0120	PPL. 820pF/100V +-2% TP.	EA	1	C610,
233	328-103-2260	AXMIAL CC.-CAP 0.01uF/50V+-10%	EA	3	C231,C261,C201,
234	328-103-2260	AXMIAL CC.-CAP 0.01uF/50V+-10%	EA	1	C267,
235	328-103-2260	AXMIAL CC.-CAP 0.01uF/50V+-10%	EA	4	C779,C602,C604,C711,
236	328-103-2260	AXMIAL CC.-CAP 0.01uF/50V+-10%	EA	2	C778,C708,
237	328-104-2690	AXIMAL CC.-CAP 0.1uF/50V Z.	EA	10	C291,C293,C295,C202,C232,C262,C2A1,C2A5, C2A6,C271,
238	328-104-2690	AXIMAL CC.-CAP 0.1uF/50V Z.	EA	5	C513,C603,C903,C921,C920,
239	401-170-0606	TACT SW SKQUCAA010G6001423M	EA	1	SW910,
240	402-001-212DM5-A	RELAY 12VDC Takamisawa	EA	1	RL501,
241	410-008-0102	IC SOCKET 8 PIN 7.62*2.54.	EA	1	FORIC902,
242	411-100-0006	17" Mini. Type CRT SOCKET	EA	1	CRTSOCKET,
243	412-600-0001A	AC INLET SOCKET.Chang Ling	EA	1	
244	430-301-0001T	Spark Gap 300V Taping	EA	1	SG281,
245	501-000-2408	8K EEPROM MAG CSI 24WC08P TPE	EA	1	IC902,
246	503-100-6700D	MCU MASK P6NS057 EMC6700D	EA	1	IC901,
247	504-000-2469	IC LM2469 MONOLITH TRIPLE 9ns.NS	EA	1	IC203,
248	504-000-2480	LM2480 TRIPLE BIASCLAMP ESD2KVNS	EA	1	IC202,
249	504-200-3842A	KA3842A/SAMSUNG STORT UP 0.2mA	EA	1	IC501,
250	504-550-1237E	LM1237BDCE Simplify CHN characJPN;Portuguese	EA	1	IC201,
251	504-700-9118	H/V DEFLECTION IC TDA9118 STV	EA	1	IC601,
252	504-900-8172	IC TDA8172.ST	EA	1	IC301,
253	505-001-7805	REGULATOR IC LM7805 1A.	EA	1	IC503,
254	505-1R5-7812	IC HA17812.	EA	1	IC502,
255	510-000-0733	TRANSISTOR 2SA733.	EA	1	Q281,
256	510-000-0733	TRANSISTOR 2SA733.	EA	2	Q602,Q653,
257	510-000-0733	TRANSISTOR 2SA733.	EA	1	Q903,
258	510-000-0733-Y	FAIRCHILD A733 HFE=120~240.	EA	2	Q714,Q715,
259	510-010-0772	Transistor HSB772 HSMC	EA	1	Q501,
260	510-010-772SP	TRANSISTOR HSB772S HSMC	EA	1	Q505,
261	510-020-5387	TRANSISTOR 2SC5387 HFE.	EA	1	Q703,
262	510-023-0945	TRANSISTOR 2SC945P.	EA	11	Q502,Q508,Q511,Q601,Q606,Q651,Q708,Q711, Q907,Q513,Q722,
263	510-023-0945	TRANSISTOR 2SC945P.	EA	3	Q706,Q902,Q904,
264	510-070-0122	TRANSISTOR TIP122.	EA	1	
265	510-200-0423	TRANSISTOR BF423 PNP.	EA	1	Q710,
266	510-267-6718	TRANSISTOR H2N6718L NPN.	EA	1	Q702,
267	510-300-SA44	TRAN'R HMPSA44 400V/0.3A HSMC	EA	1	Q713,
268	511-001-3115	P5/P6 TRANSISTOR 2SK3115.	EA	1	Q504,
269	511-005-0634B	FET IRF634B FAIRCHILD.	EA	1	Q719,

270	511-005-10N2	P8 FQP10N20C	EA	1	Q707,
271	511-005-10N2	P8 FQP10N20C	EA	1	Q709,
272	520-001-4148	DIODE 1N4148.	EA	9	D231,D261,D203,D233,D263,D202,D232,D262, D201,
273	520-001-4148	DIODE 1N4148.	EA	28	D507,D716,D603,D604,D518,D713, D720,D725,D601,D602,D607,D608, D901,D902,D904,D606,D532,D610, D611,D714,D752,D753,D755,D711A, D905,D503,D306,D907,
274	520-005-0007	LED 3mm Green Round	EA	1	LED902,
275	520-010-4002	DIODE IN4002 1A/100V.	EA	1	D304,
276	520-010-4936	DIODE 1N4936.	EA	4	D505,D712,D715,D708,
277	520-010-4936	DIODE 1N4936.	EA	1	D707,
278	520-010-4937	DIODE 1N4937 1A/600V.	EA	1	D711,
279	521-005-03R6	ZENER DIODE 3.6V.	EA	1	ZD702,
280	521-005-05R0	ZENER DIODE 5.0V HZ05C1.	EA	1	ZD281,
281	521-005-05R0	ZENER DIODE 5.0V HZ05C1.	EA	4	ZD901,ZD902,ZD903,ZD904,
282	521-005-13R0	ZENER DIODE 13V.	EA	1	ZD601,
283	521-005-18R0	ZENER DIODE 18V.	EA	1	ZD551,
284	521-005-30R0	ZENER DIODE HZ30-2 30V.	EA	1	ZD502,
285	521-005-56R0	ZENER DIODE 56V.	EA	1	ZD501,
286	522-010-5818	DIODE 1N5818 1A/30V.	EA	1	D705,
287	522-010-SS83	DIODE 1SS83 TA.	EA	3	D235,D265,D205,
288	522-010-T42M	FAST RECTIFIER BYT42M 1KV/1.25	EA	1	D501,
289	522-020-H203	DIODE HER203 2A/200V.	EA	1	D513,
290	522-020-H207-F	DIODE HER207G-F 800V/2A/70ns. Liqin	EA	1	D508,
291	522-020-L205	DIODE RL205 600V/2A.	EA	4	D514,D515,D516,D517,
292	522-030-H303G-F	DIODE HER303G 200V/3A/50ns Liqin	EA	2	D510,D502,
293	522-030-H305G	DIODE HER305G.	EA	1	D509,
294	522-030-H305G-F	DIODE 3A/400V 50NS HER305G.	EA	1	D719,
295	522-060-DMV1500	DAMPER DMV1500M/F5 6A/1500V.	EA	1	D709,
296	530-120-0001	RESONATOR 12MHZ.	EA	1	X901,
297	540-100-2001	SILICON-RUBBER 13.5*18.5mm.	EA	2	FORQ719,FORQ717,
298	540-100-2001	SILICON-RUBBER 13.5*18.5mm.	EA	1	FORIC301,
299	540-500-2002C	Isolating Nut 245℃ 1.5*1.1mm	EA	2	FORQ719,FORQ717,
300	540-500-2002C	Isolating Nut 245℃ 1.5*1.1mm	EA	1	FORIC301,
301	550-141-3000	SLOW BLOW UL 3A/250V AC.	EA	1	F501,
302	551-021-0001	FUSESOCKET CLIP20mm.	EA	2	FORF501,
303	600-151-3204	POWER CORD 1.5M TPE.	EA	1	
304	610-151-15CP6N	SIGNAL CABLE 1.5M	EA	1	
305	620-040-0200	Wire UL1007 AWG24 40mm Tin Black	EA	1	G3->G3',
306	621-030-0300-1	WIRE 1007#18BLK 30mm	EA	1	
307	621-060-0411	WIRE UL1015#18 60mm	EA	1	
308	621-090-0300A	1007#18BLK 90mm 4.3D+B End	EA	1	
309	624-200-0405	P6 5P2.0-6P2.0 200mm Flat Cabl	EA	1	M901,

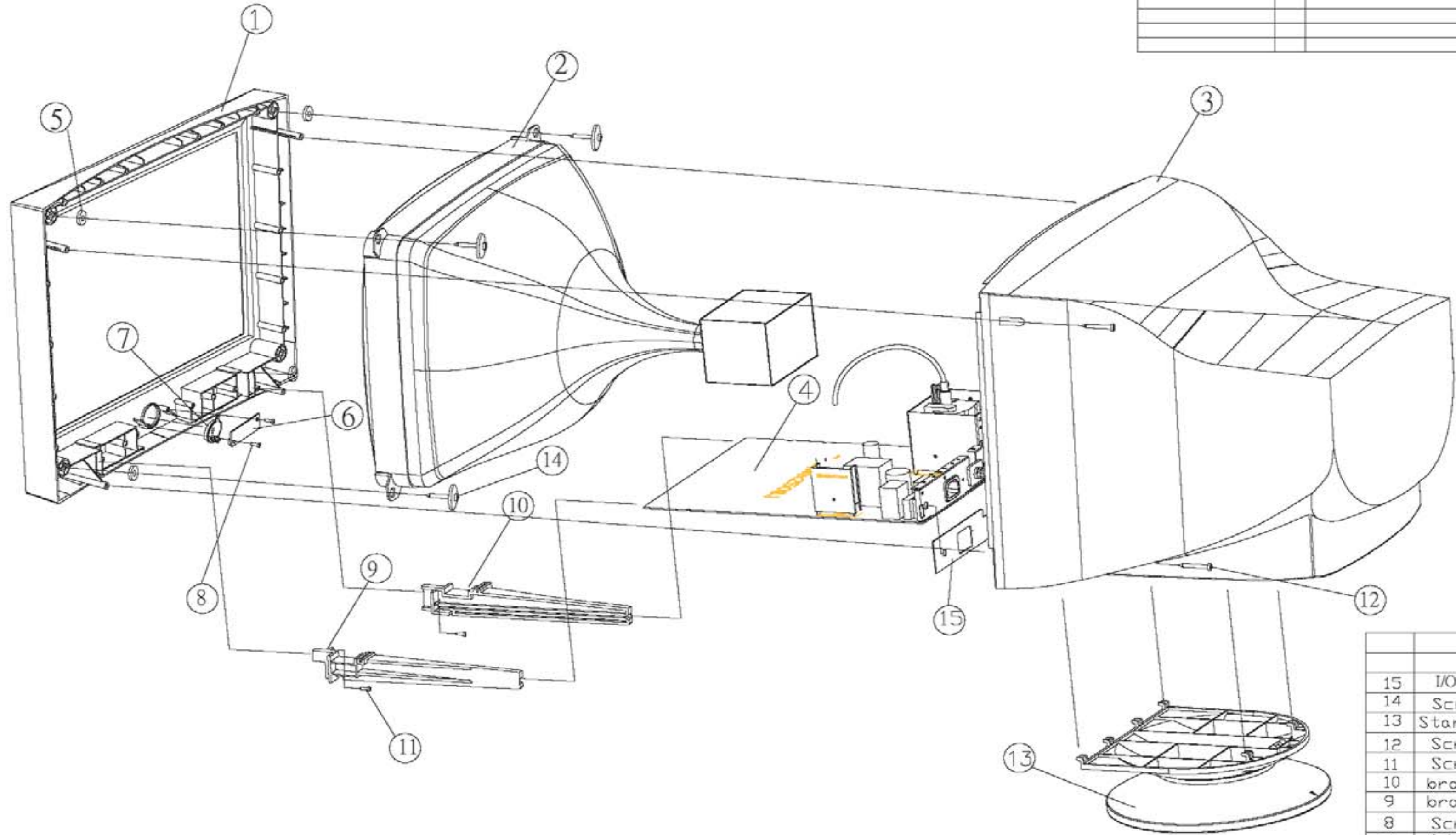
310	630-001-3001	BASE 2.36D 1P.	EA	1	P281,
311	630-001-3001	BASE 2.36D 1P.	EA	2	P505,TCO,
312	630-002-1009	BASE 2pin JWT A2001 PITCH=2mm Straight	EA	1	P601,
313	630-002-3001	BASE 2P 2.36∮ PITCH 10mm TPE.	EA	1	P502,
314	630-002-4001	BASE 0.6D 2P	EA	1	P903,
315	630-004-3001	BASE 2.36D 4P.	EA	1	P701,
316	630-005-1009	BASE 5P JWT A2001 PITCH 2.0D. Straight	EA	1	P905,
317	630-005-4001	BASE 0.6D 5P.	EA	1	P902,
318	630-006-4001R	BASE PITCH 2.5 6PIN Bend 90C	EA	1	P201,
319	630-012-1009	BASE 12P PITCH 2.0.	EA	1	P202,
320	631-001-3064	G1 WIRE 685mm	EA	1	FOR MPRII,
321	631-012-0901	12P 2.0L310 624-310-0412 DOWN.	EA	1	M703->P202,
322	640-005-0020	SHRINKING TUBE 5D*20mm	EA	1	
323	650-003-0081	CABLE TIE ALT-0.85S.	EA	4	
324	650-003-0081	CABLE TIE ALT-0.85S.	EA	9	
325	650-003-1801	CABLE TIE 18cm	EA	1	
326	650-004-1231	PRO98 CABLE TIE 4.0*123mm.	EA	2	TCO,
327	700-117-2514	17" M41QCJ761X172(TCO\FDS)70K.	EA	1	
328	720-929-SN718F	**DEFLECTION YOKE 1**8mH 68K DFX	EA	1	
329	730-102-P6SE-NC	P6NS POWER TRANSFORMER 80V	EA	1	T501,
330	730-200-772NS-SA	H-DRIVE. TRANSFORMER	EA	1	T702,
331	730-302-770VC-2	P6 772N FBT COST DOWN.	EA	1	T701,
332	730-400-770VC-SA	FOCUS TRANS 47J00-0080L LAE	EA	1	T703,
333	735-017-X771-E	17"DEGAUSS COIL	EA	1	
334	740-500-564I-4	P6NS ROTATION COIL 230TS. L: 405MM	EA	1	
335	745-201-2084B-SA1	CHOCK COIL 200uH	EA	1	L703,
336	745-300-2064	CHOCK COIL 30uH +-10%.	EA	1	L504,
337	745-5R1-3082	**CHOCK COIL 5.1uH +-10%.**	EA	1	L705,
338	745-720-2084-SA	CHOCK COIL 72uH. LAE	EA	1	L704,
339	745-R33-1162	PEAKING COIL 0.33uH K MINI TAP	EA	3	L231,L261,L201,
340	750-250-772I-SA	LINE FILTER 25mH LAE	EA	1	L502,
341	760-100-0001	BEADS INDUCTOR B-01-AT3.5*6*0.8	EA	5	L506,L507,L509,L510,L512,
342	760-100-0001-T	BEAD3.5*6*0.8	EA	1	L703A,
343	760-100-0001-T	BEAD3.5*6*0.8	EA	1	L508,
344	760-100-0002	BEADS INDUCTOR(TAPING3.5*6*0.8	EA	4	B283,B285,B286,B280,
345	760-100-0002	BEADS INDUCTOR(TAPING3.5*6*0.8	EA	4	L900,L511,L515,L707,
346	760-100-0002	BEADS INDUCTOR(TAPING3.5*6*0.8	EA	2	R584,L706,
347	760-100-0008	BEAD CORE (RH3.5*9*0.8).	EA	2	L514,L517,
348	760-100-0013	BEAD CORE RH3.5*4*1.2 Mat:T6	EA	2	Q719D,FOR C712,
349	800-100-772NS	CRT WIRE	EA	1	
350	899-100-787NS	CRT BOARD ASS'Y.	EA	1	
351	899-400-RXP6	CONTHL/B ASS'Y	EA	1	
352	899-TSP-XG51	M/B ASS'Y.	EA	1	

Exploded Parts List

No.	Ref. P/N	Description	Q'ty	Location
1	151-000-H1BLG-A	Front Panel	1	
2	700-117-2514	CRT	1	
3	151-00N-CAJG-B	Rear Cover	1	
4	900-TSP-XG51	PCB Board	1	
5	111-014-0201	Rubber Washer	4	
6	899-400-RXP6	Key Board	1	
7	154-000-RX17	Adjustor Knob	1	
8	105-010-3012	Screw	2	
9	152-002-PX17R	bracket right	1	
10	152-002-X17L	bracket left	1	
11	105-016-3012	Screw	2	
12	105-016-4012	Screw	4	
13	151-701-CAJG	Stand (Base)Plate	1	
14	108-325-5012	Screw	4	
15	154-00G-572B-A	I/O plate	1	

I. EXPLODED DIAGRAM

ECN No	REV	DESCRIPTION	DATE	DRAWING BY	APPROVED BY

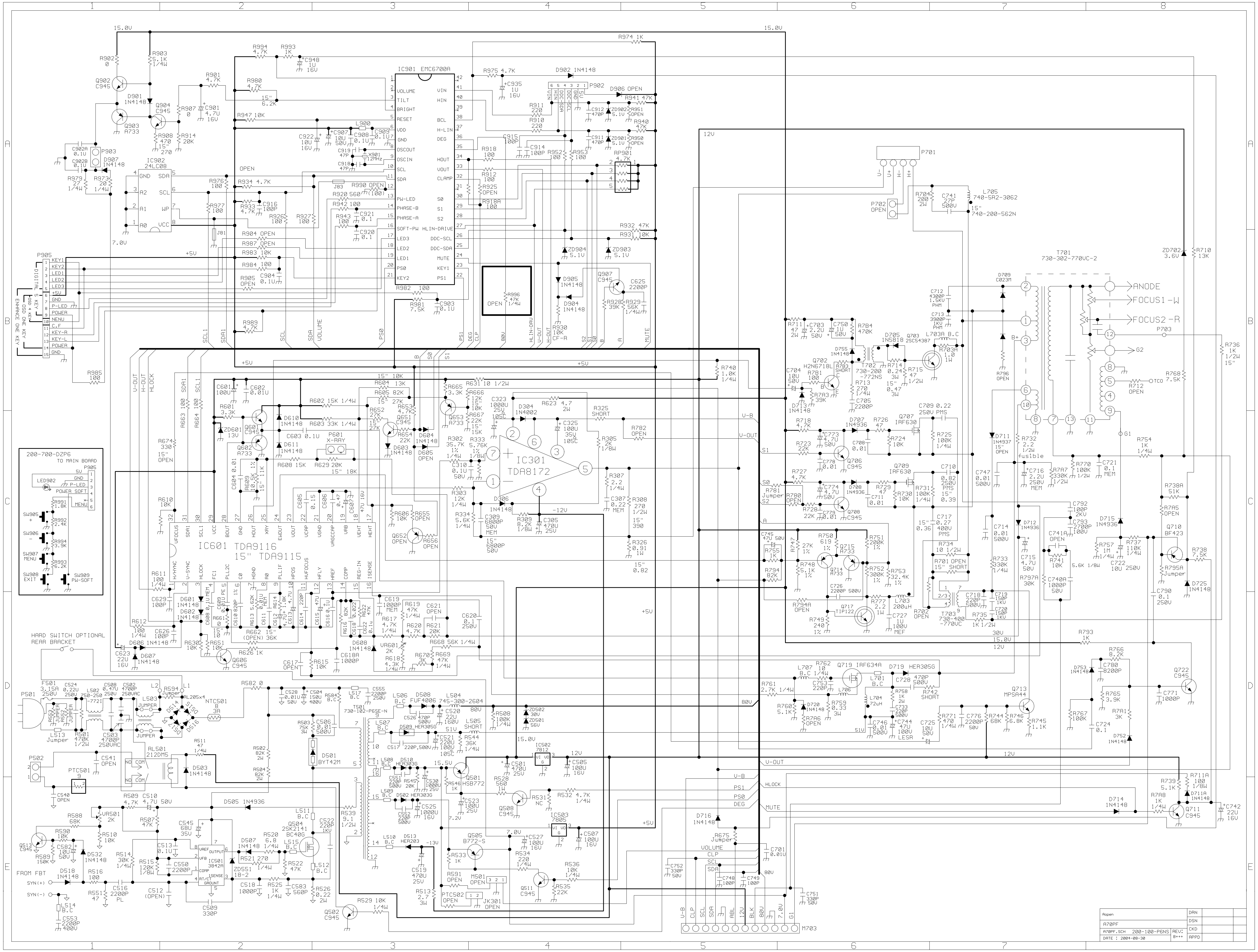


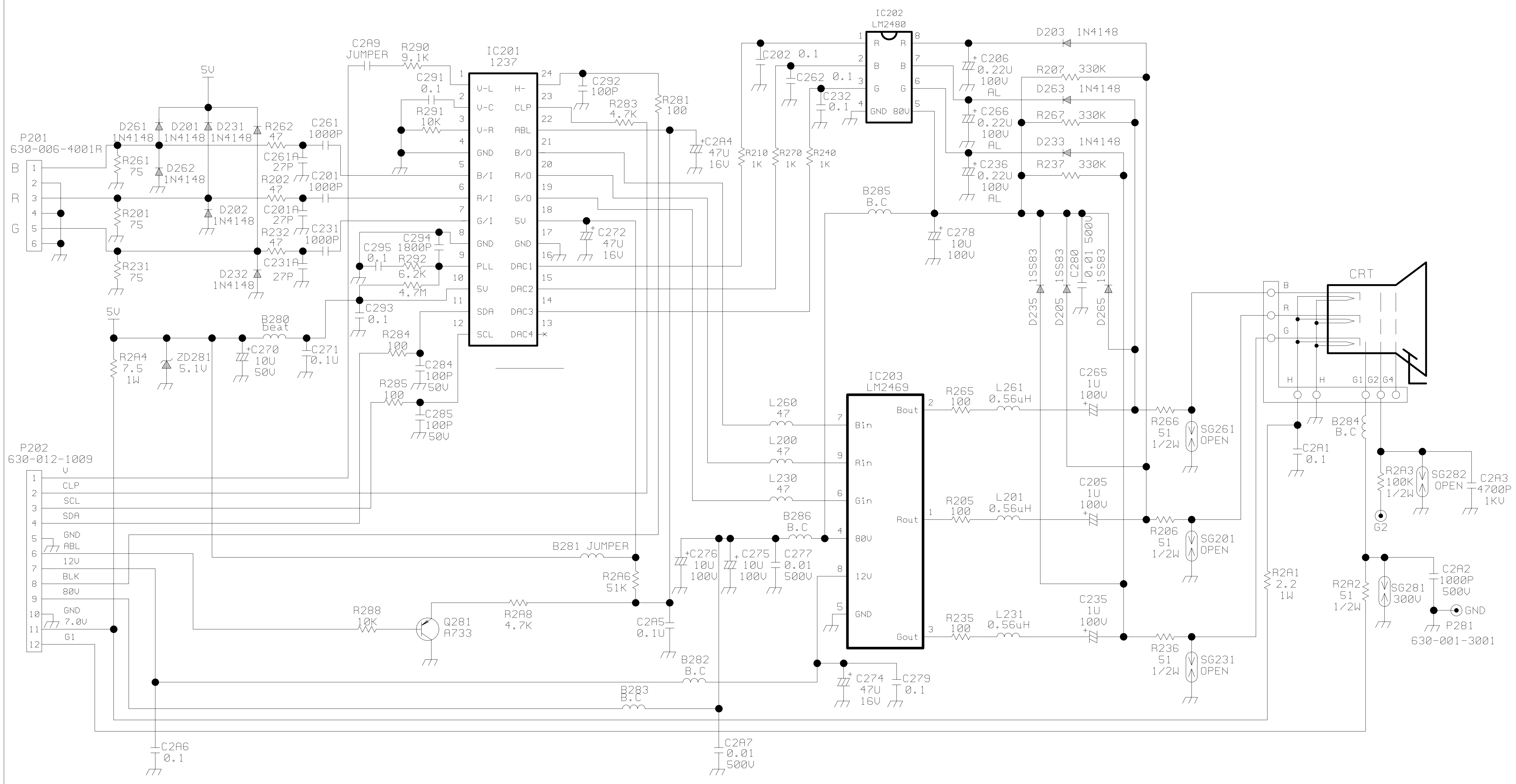
ITEM	DEWCRIPTION	QTY	REF
15	I/O plate	1	
14	Screw	4	T5*25
13	Stand (Base)Plate	1	
12	Screw	4	T4*20
11	Screw	2	T3*10
10	bracket left	1	T3*8
9	bracket right	1	
8	Screw	2	T3*8
7	Adjustor Knob	1	
6	Key Board	1	
5	RUBBER WASHER	4	
4	PCB BOARD	1	
3	Rear Cover	1	
2	CRT	1	
1	Front Panel	1	

RX17		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN TOLERANCES	
USED	NEXT ASS'Y		
APPLICATION	METRIC 0.X ±0.2 0.XX ±0.1	ANGLES ±0.5	
THIRD ANGLE PROJECTION	MATERIAL:		
	FINISH:		
DO NOT SCALE DRAWING	WEIGHT:		

PART NAME	A70PF(RX-777NS)	MODEL NAME		
PART NO				
SCALE	1:1	DRAWING BY	rainbow chen	APPROVED FILE NO
DATE	2004.10.21	APPROVED BY		DRAWING FILE NO
AOpen				NOTE : A0

J. SCHEMATIC DIAGRAM

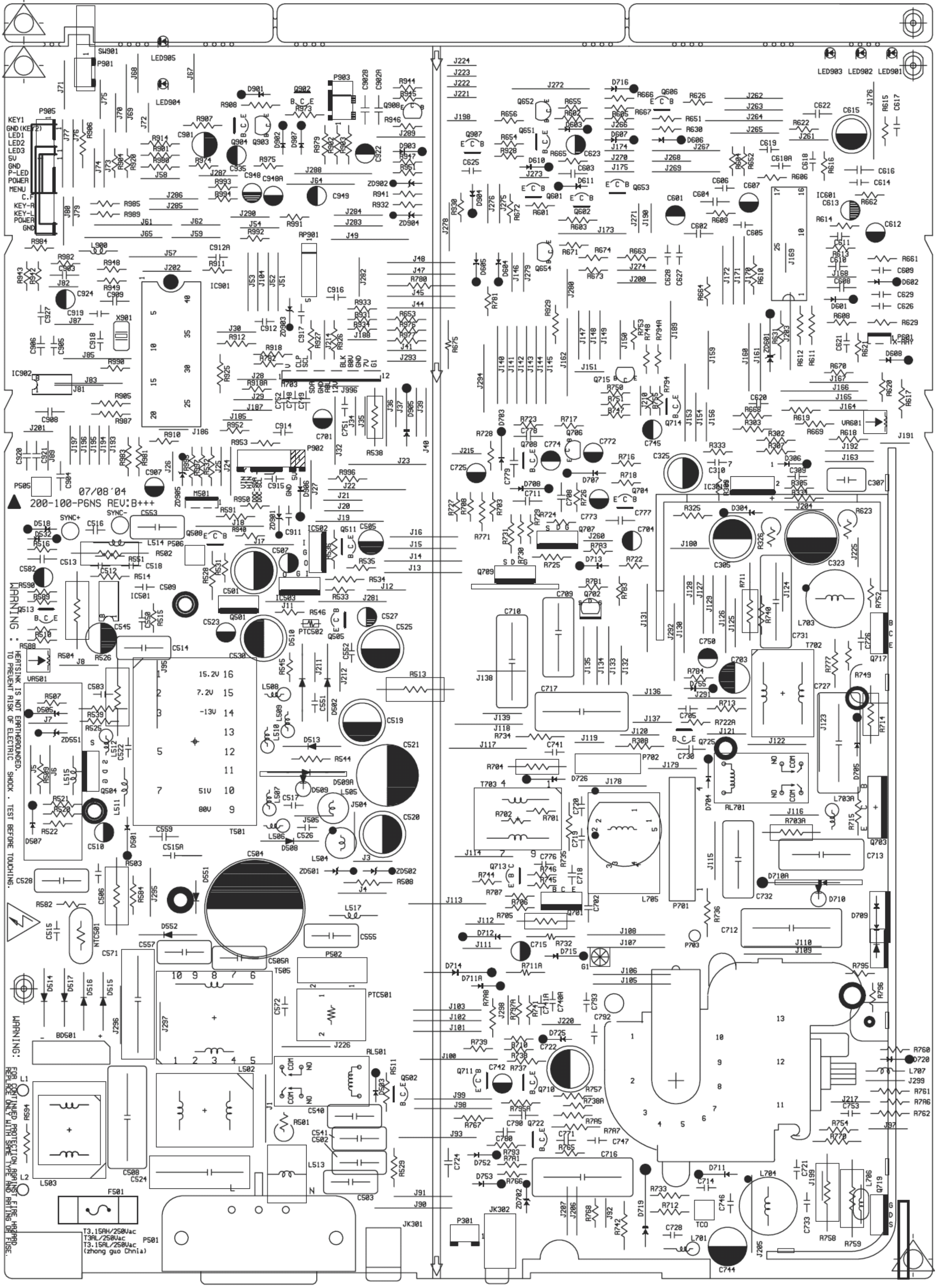

IC901 EMC6700A
IC902 24LC08
IC601 TDA9116
15" TDA9115
IC301 TDA8172
IC501 3842A
IC502 7812
IC503 7805
T701 730-302-770VC-2
T501 730-102-P6SE-N
ANODE
FOCUS1 -W
FOCUS2 -R
G2
P905
P902
P701
P703
M703
HARD SWITCH OPTIONAL
REAR BRACKET
FROM FBT
SYN(+)
SYN(-)
200-700-DZP6
TO MAIN BOARD
SW905
SW906
SW907
MENU
SW908
EXIT
SW909
PW-SOFT
Aopen
A70PF
A70PF.SCH 200-100-P6NS
REV: B+++
DATE : 2004-08-30
DRN
DSN
CKD
APPD



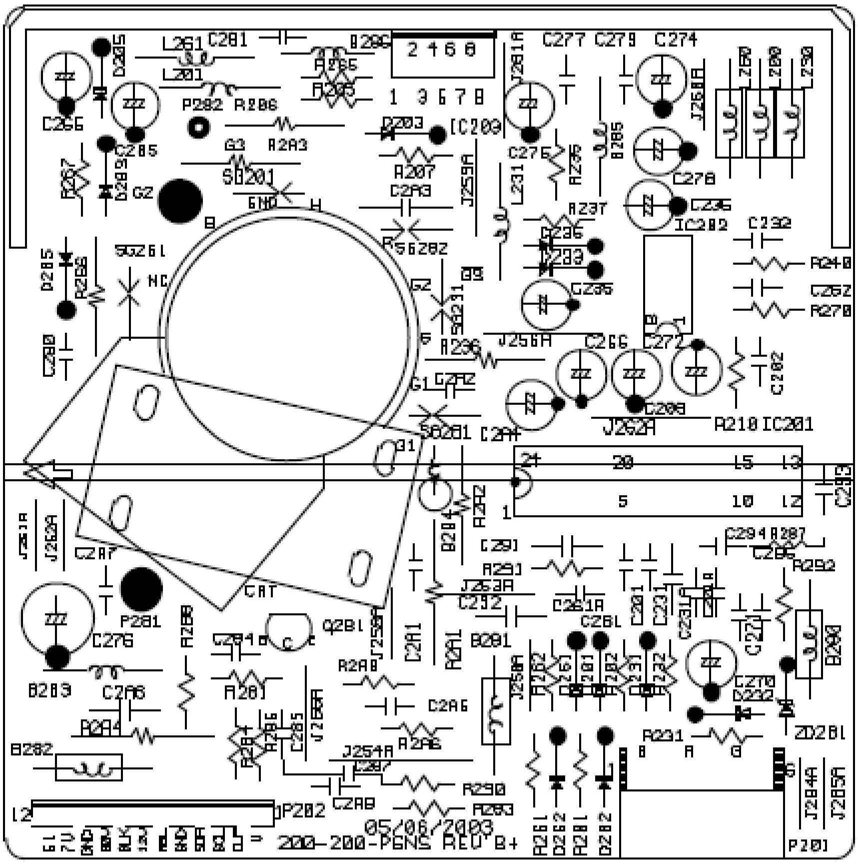
Aopen			DRN
CRT BOARD.A70PF			DSN
A70PFCRT.SCH		B	CKD
DATE : 2004-09-09			APPD

K. PCB LAYOUT DIAGRAM

MAIN BOARD



CRT BOARD



MEMO